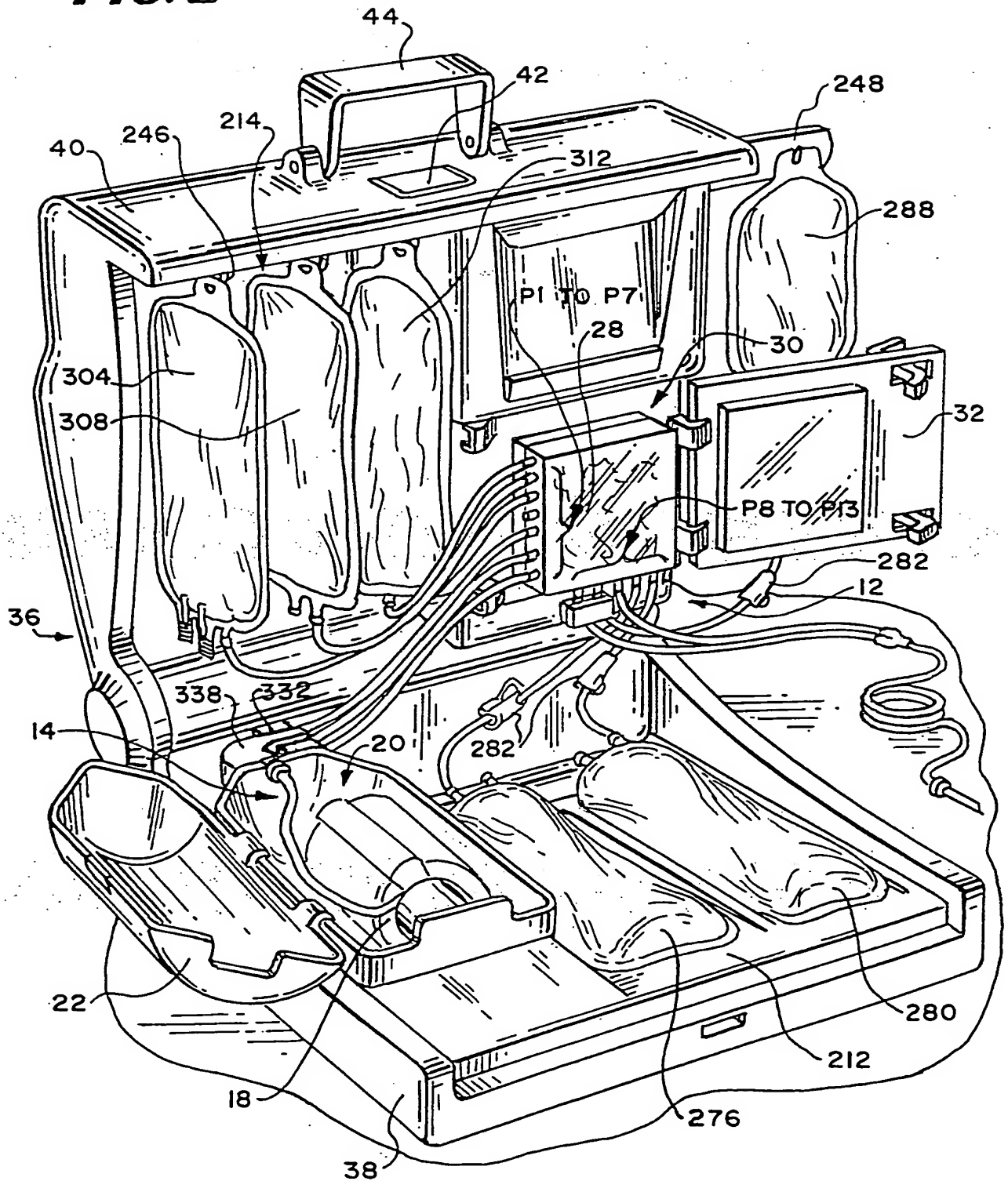
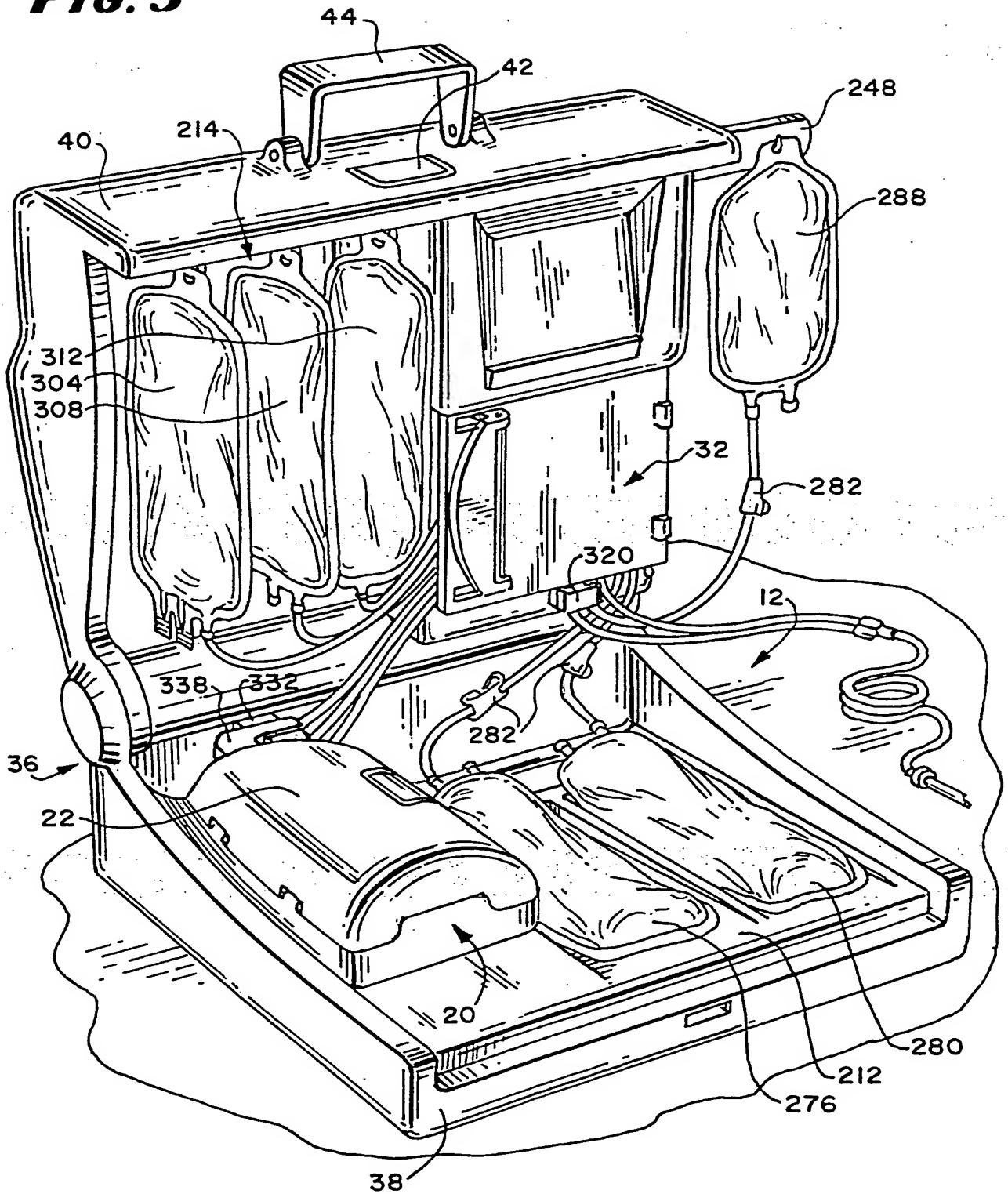


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**FIG. 2**

**FIG. 3**

**FIG. 4**

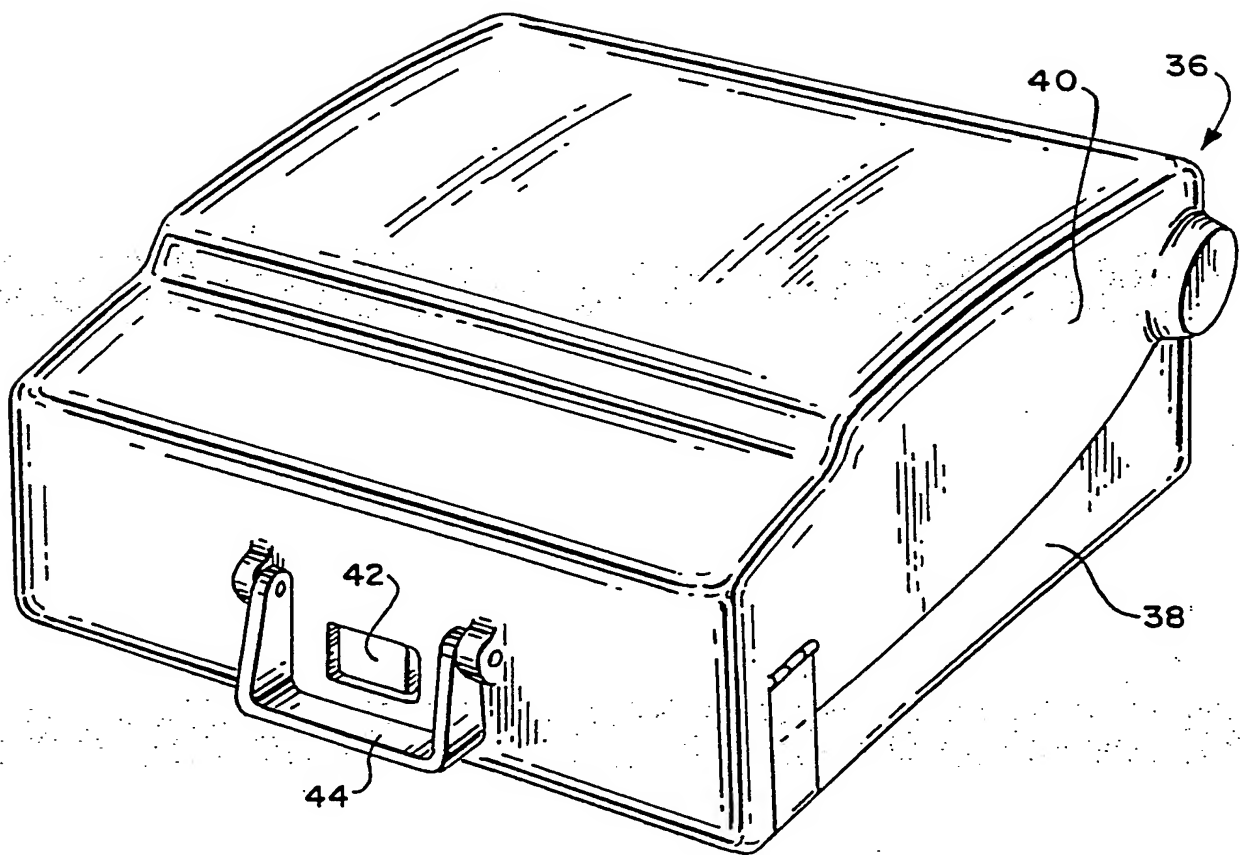
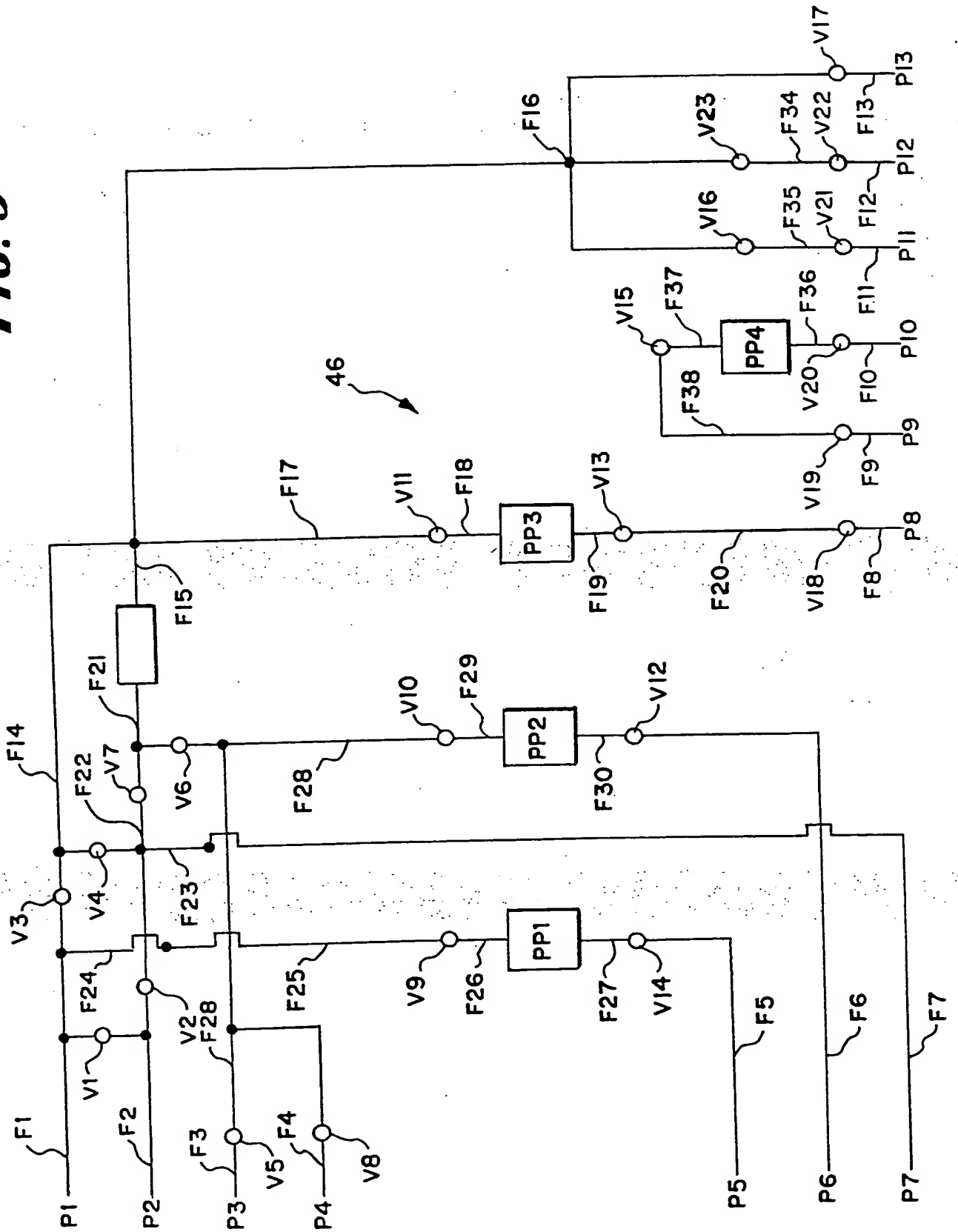
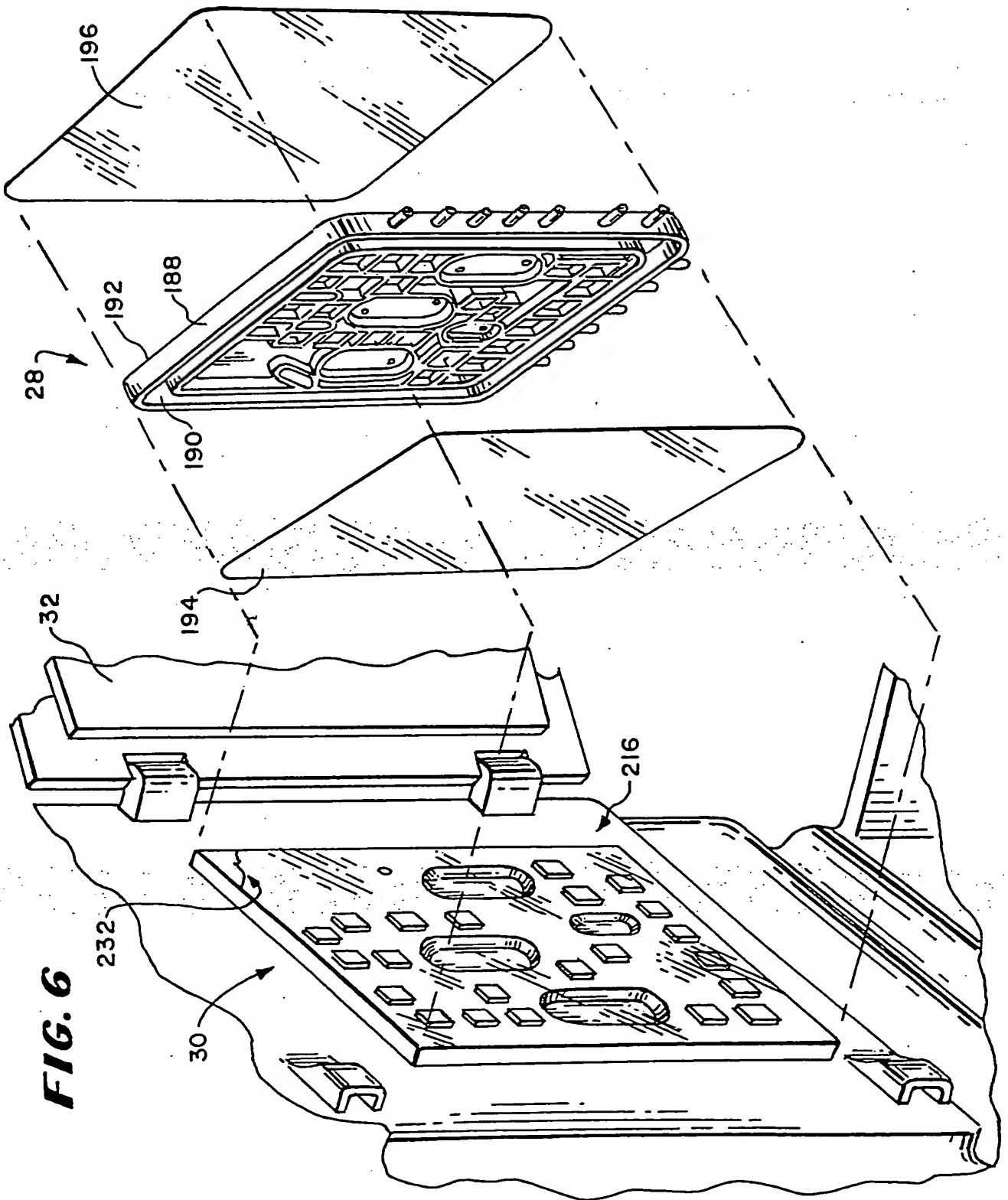
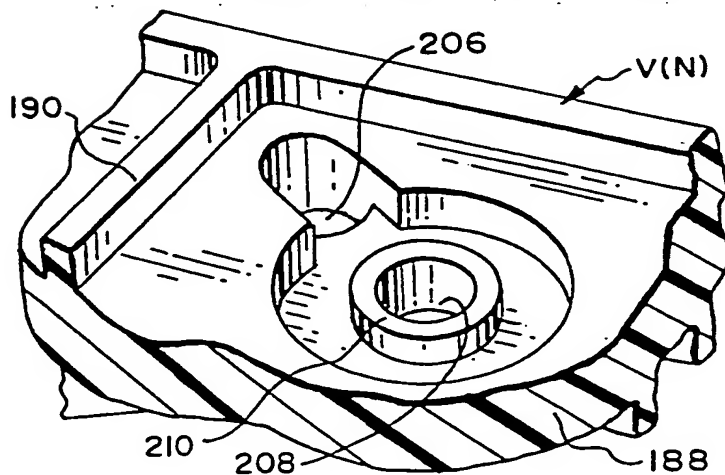
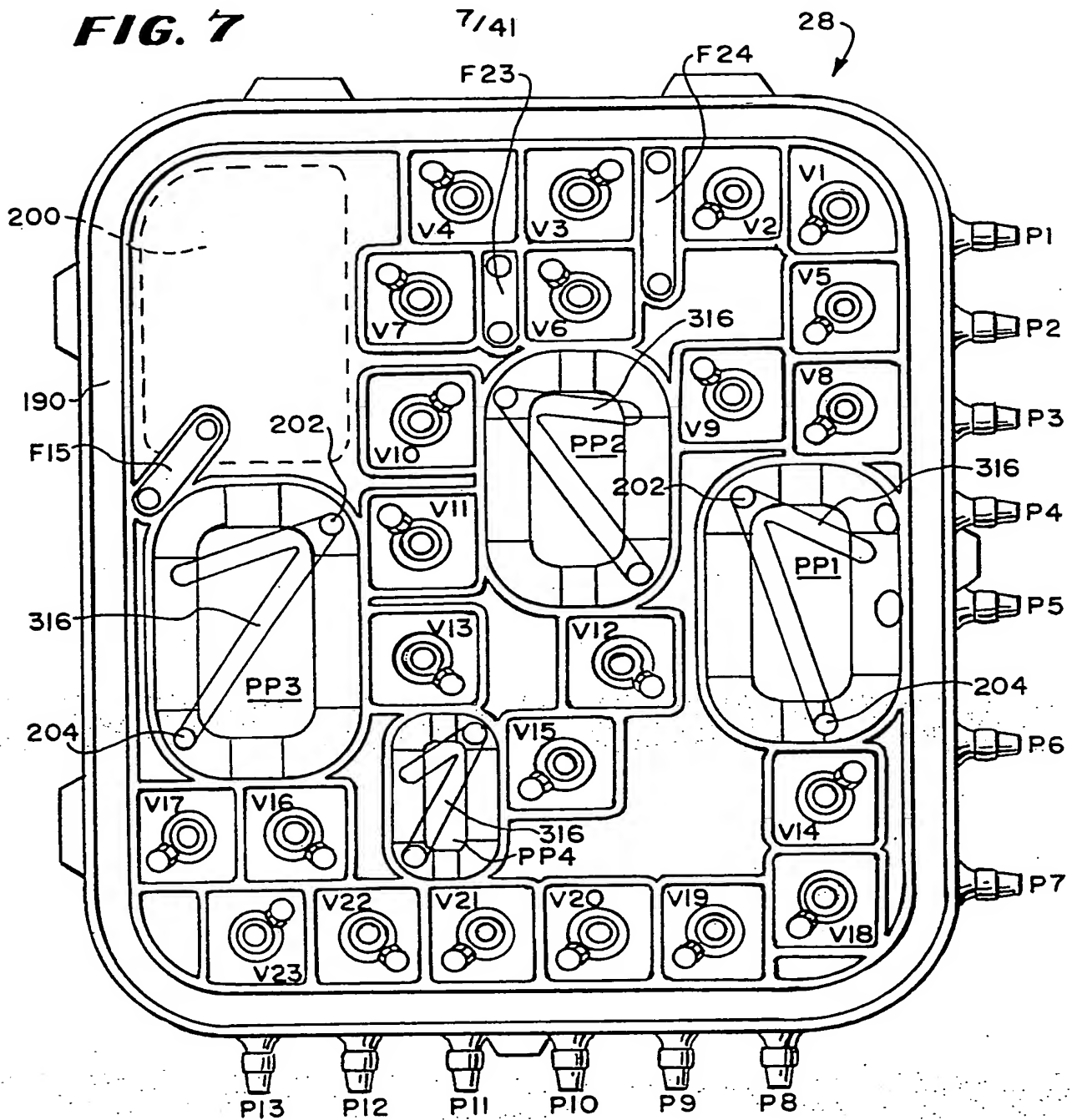


FIG. 5

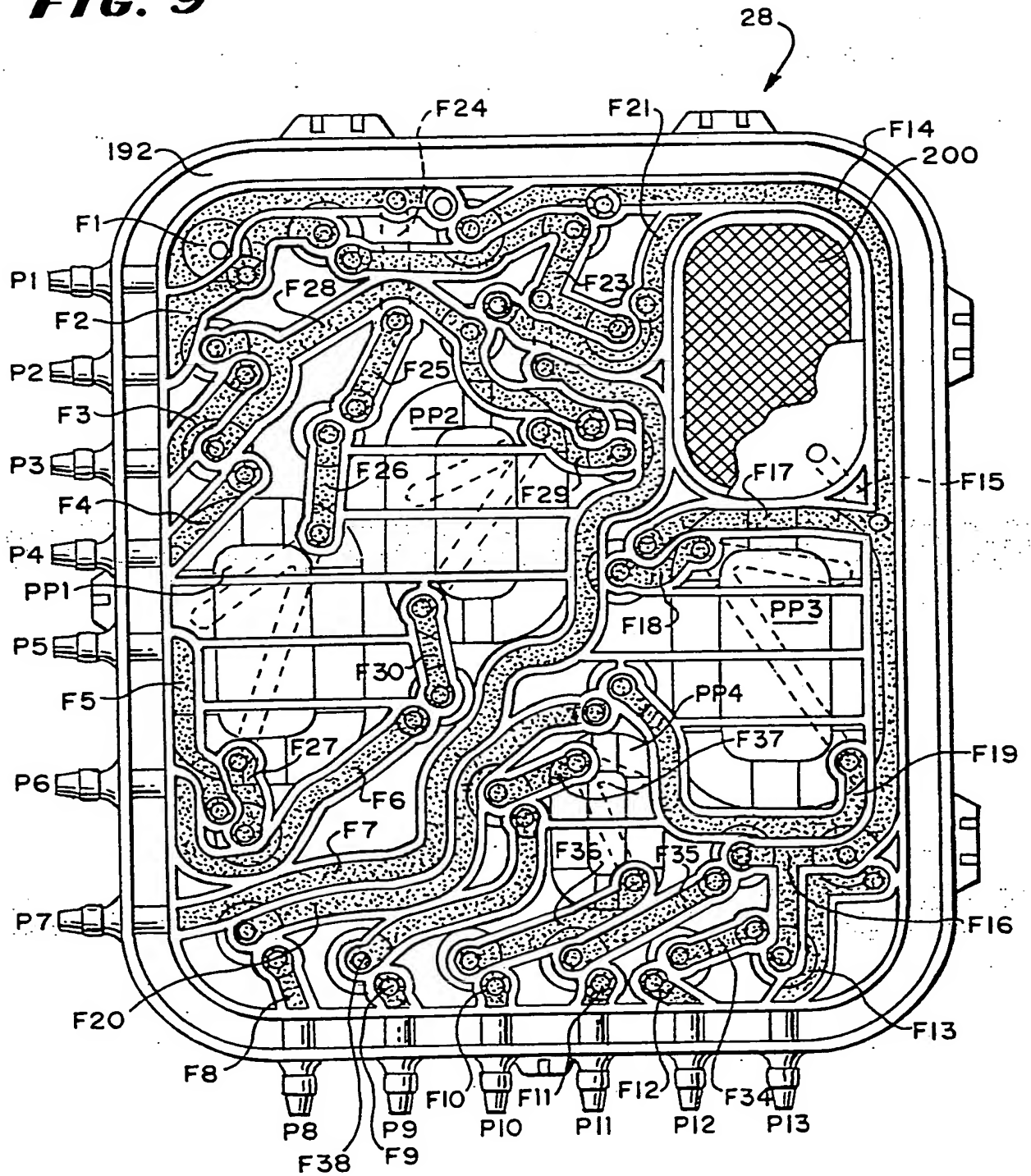




**FIG. 7**

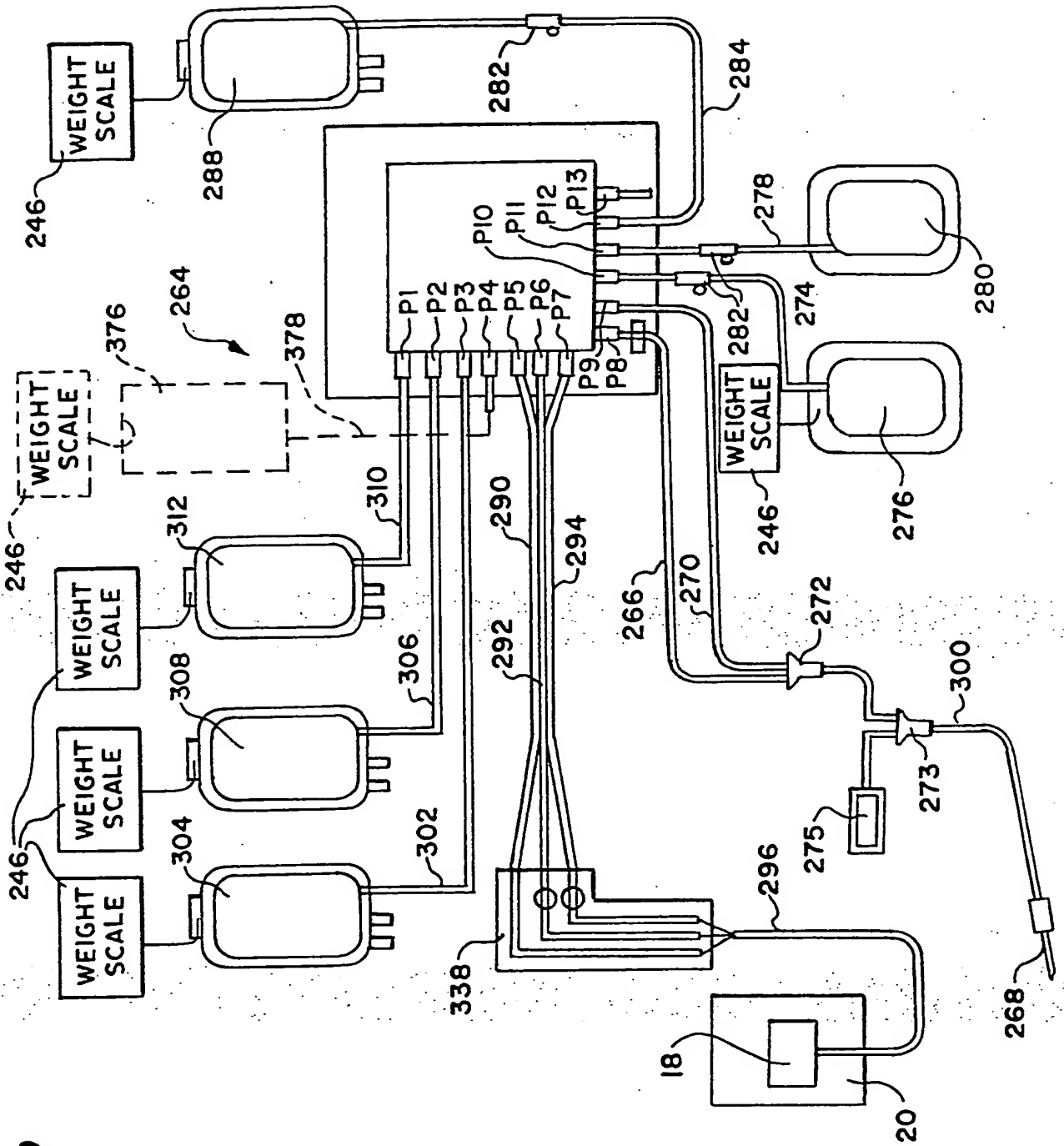


**FIG. 8**

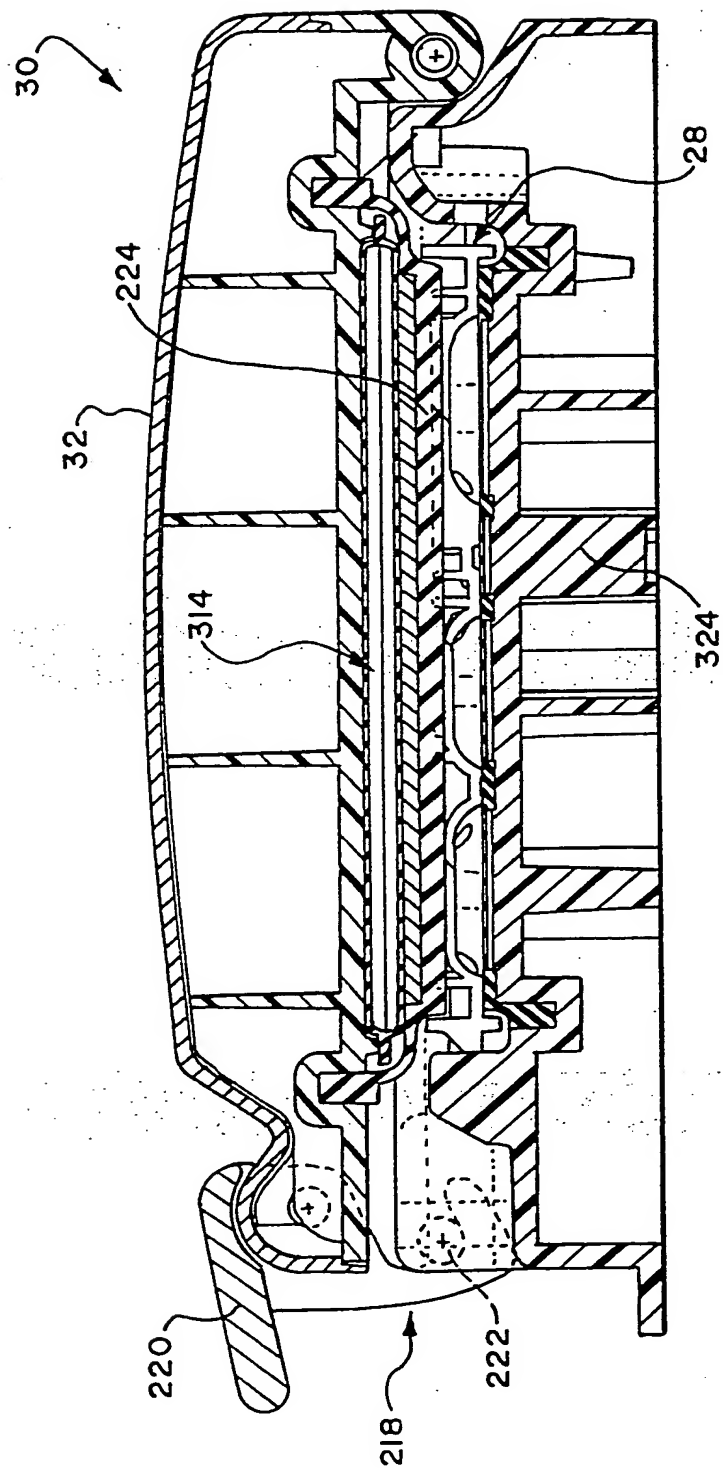
**FIG. 9**

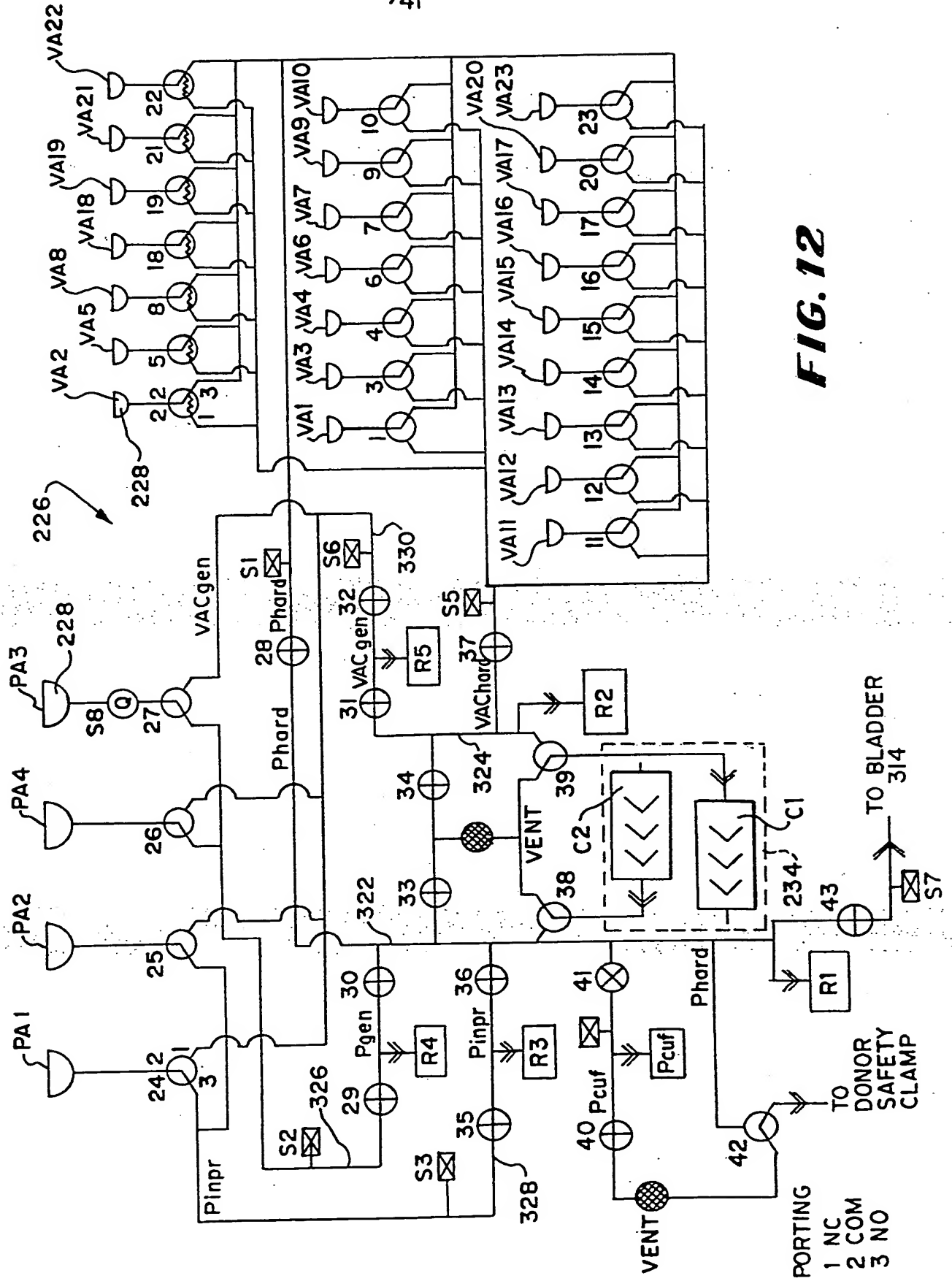


**FIG. 10**

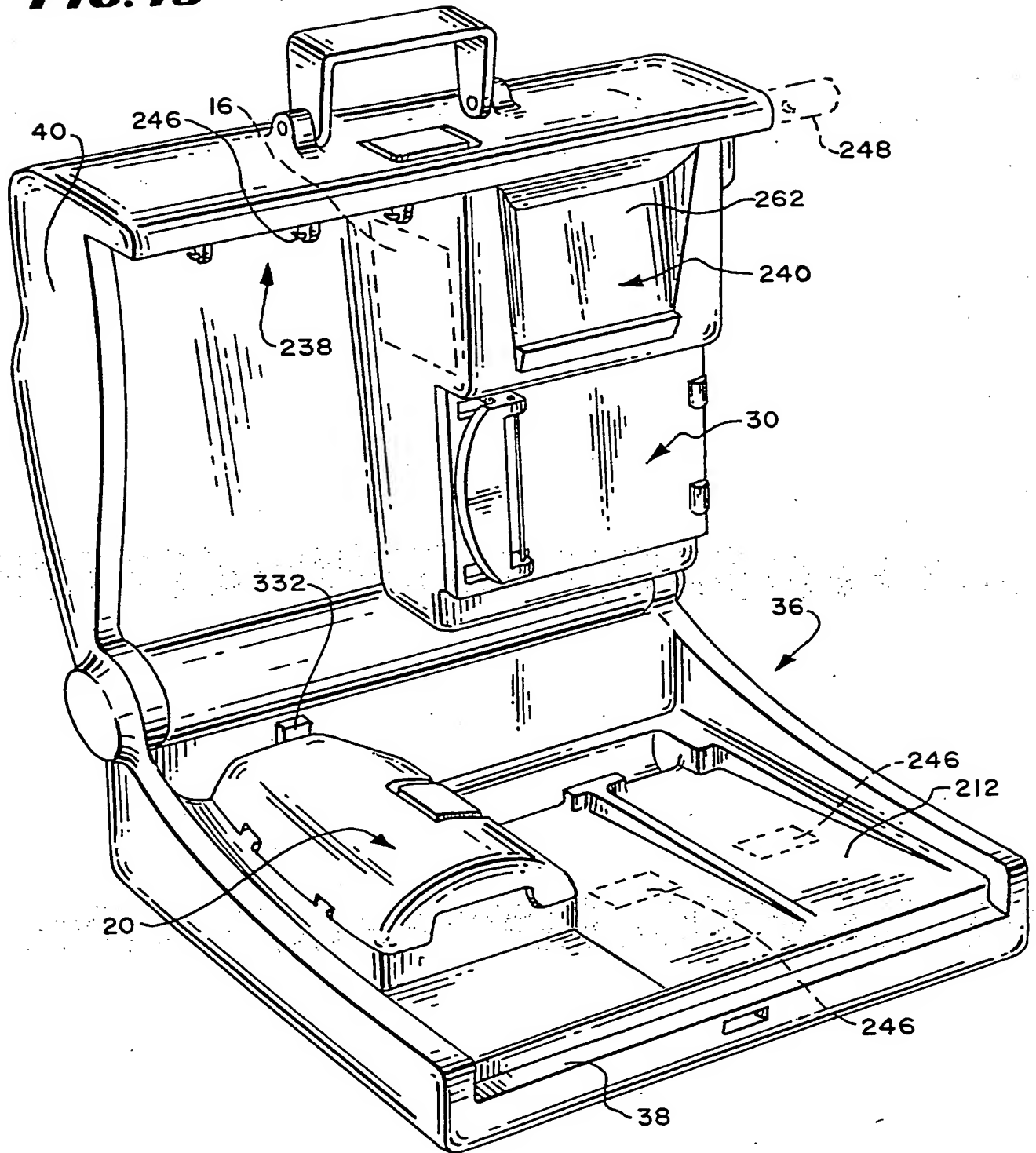


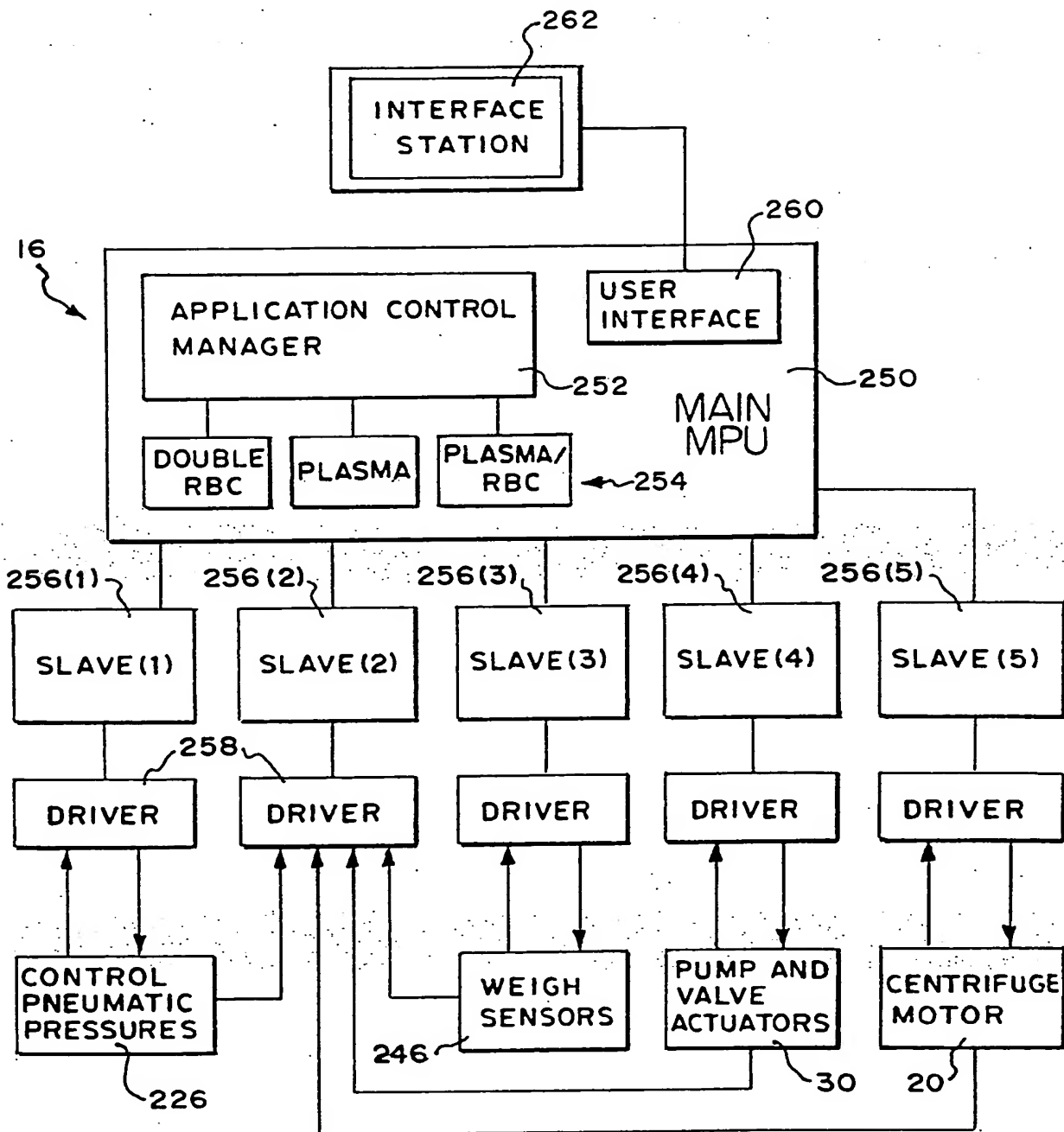
**FIG. 11**



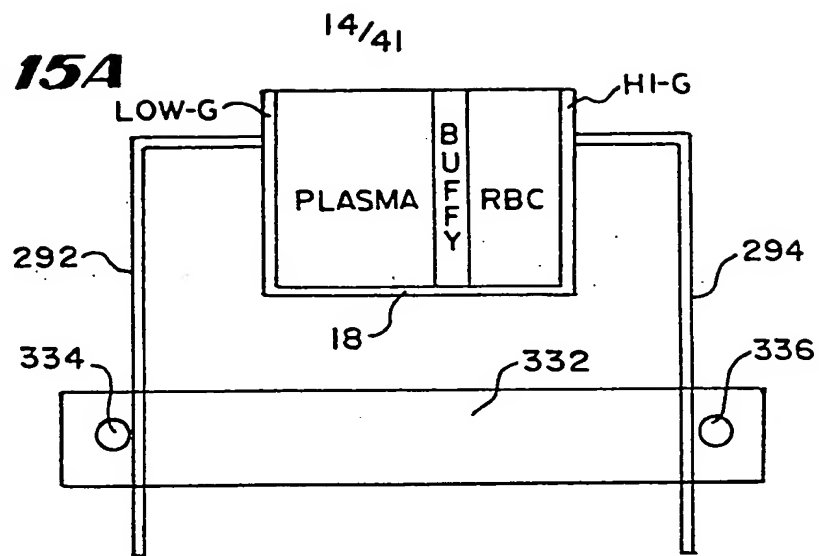


**FIG. 12**

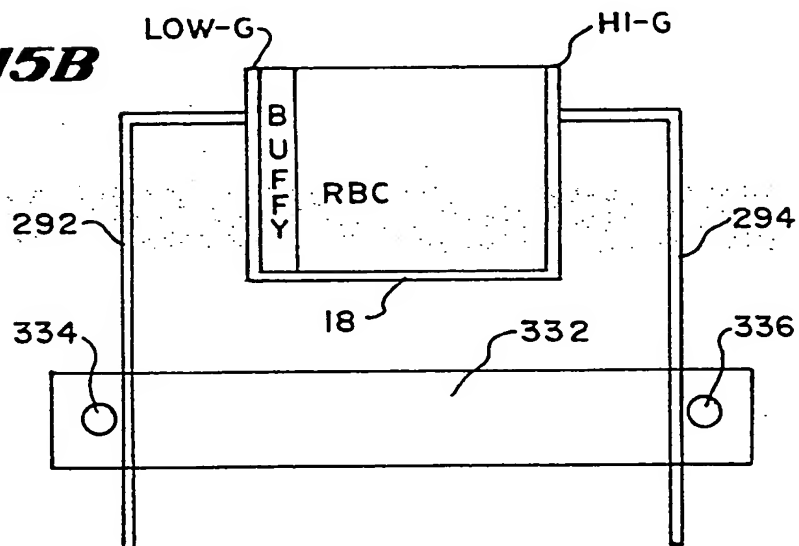
**FIG. 13**

**FIG. 14**

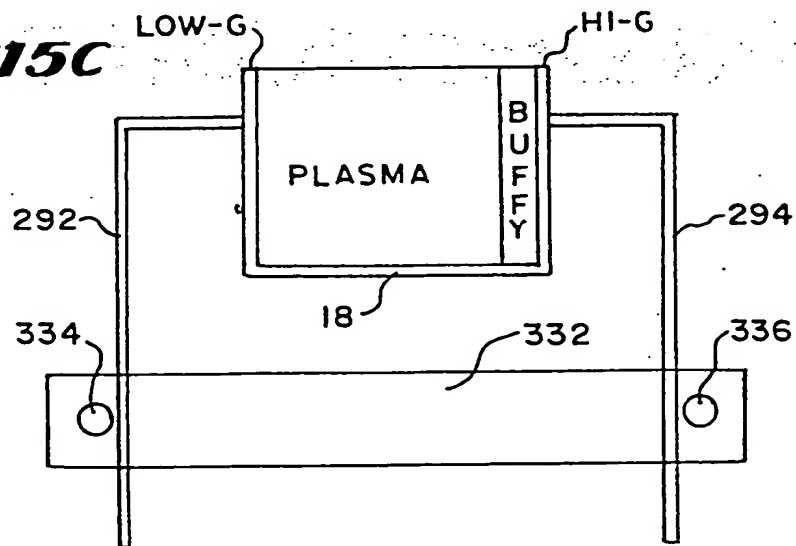
**FIG. 15A**



**FIG. 15B**

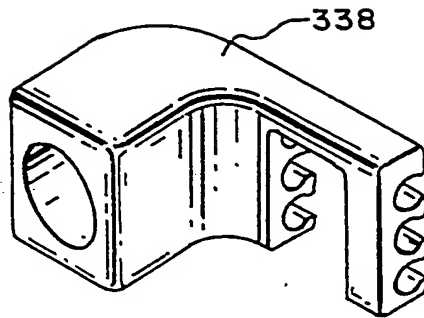


**FIG. 15C**

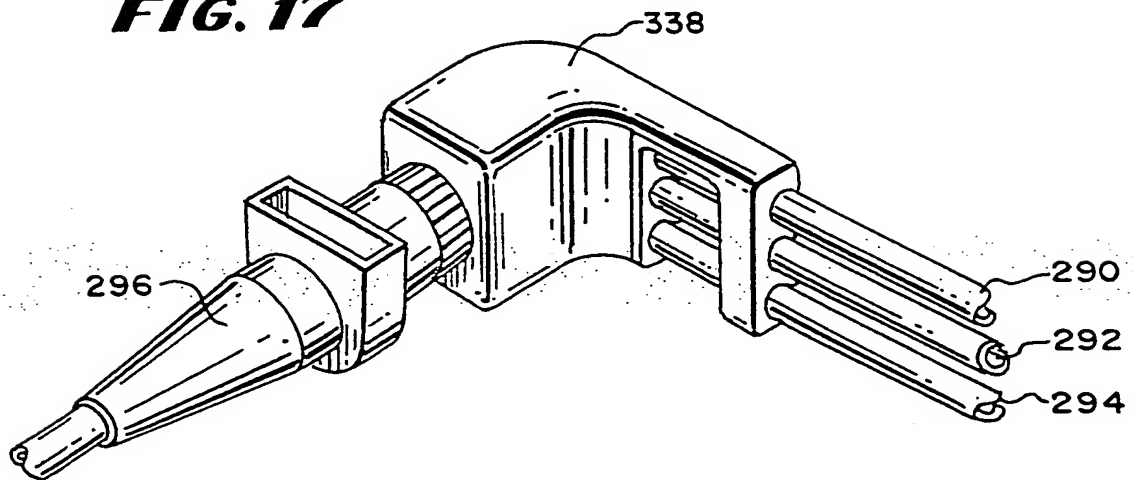


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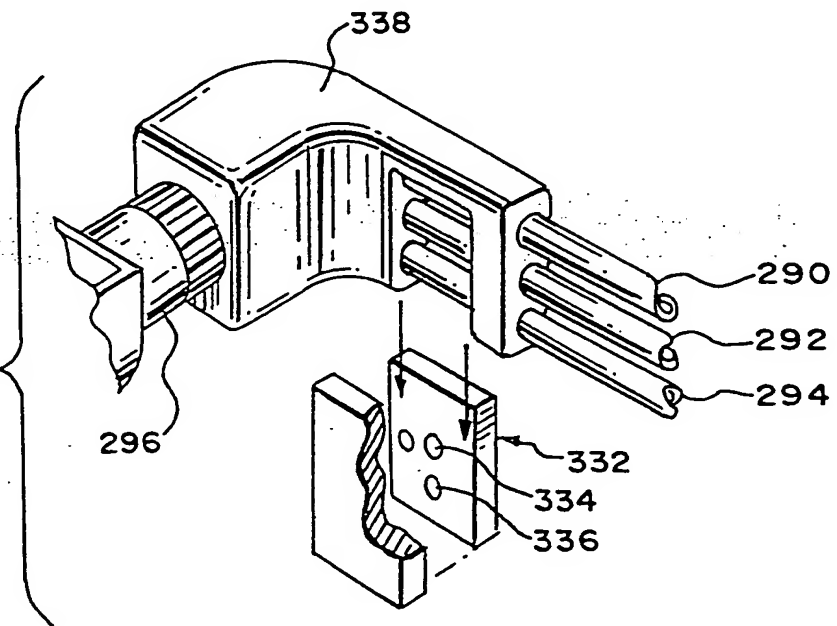
**FIG. 16**



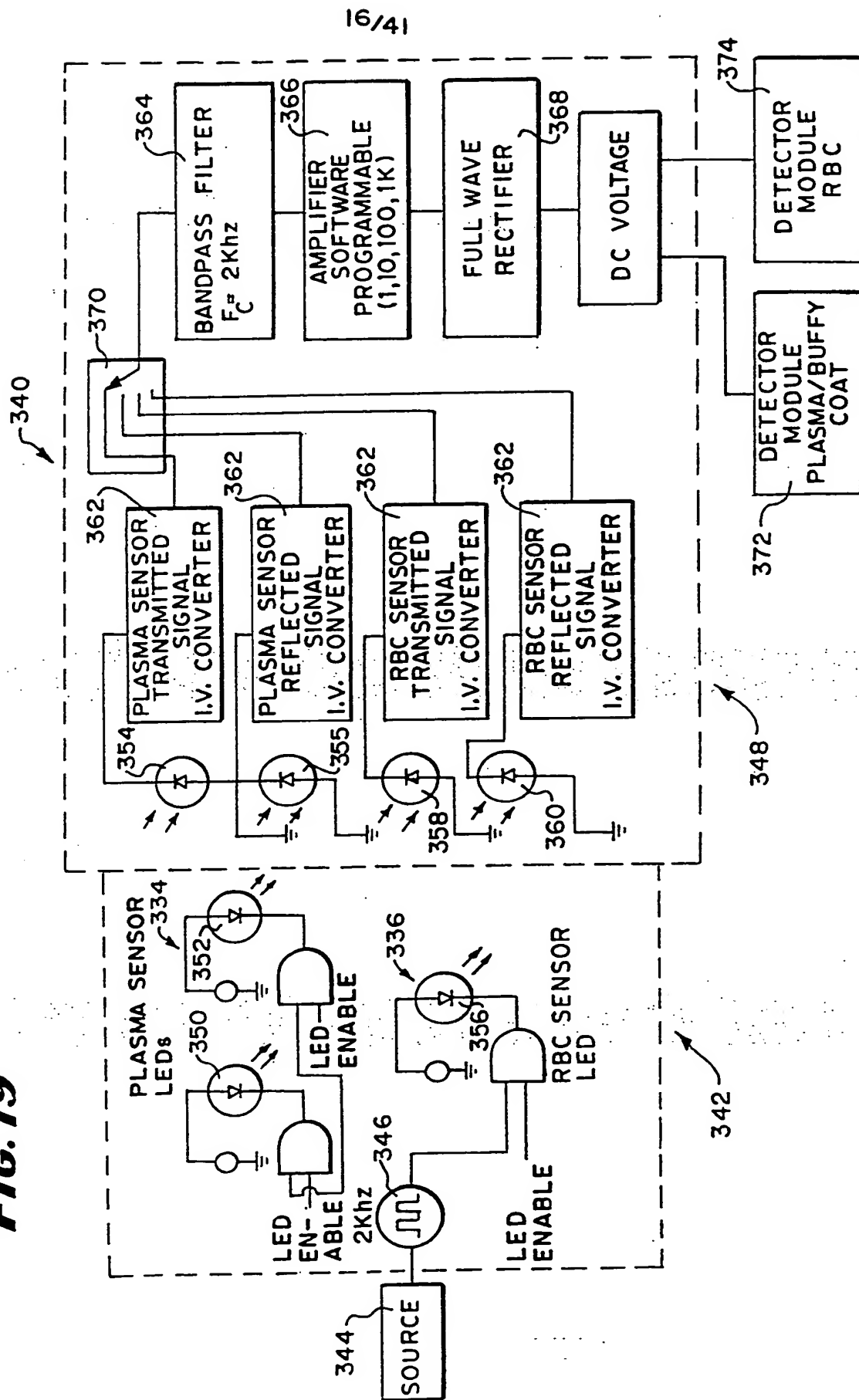
**FIG. 17**



**FIG. 18**

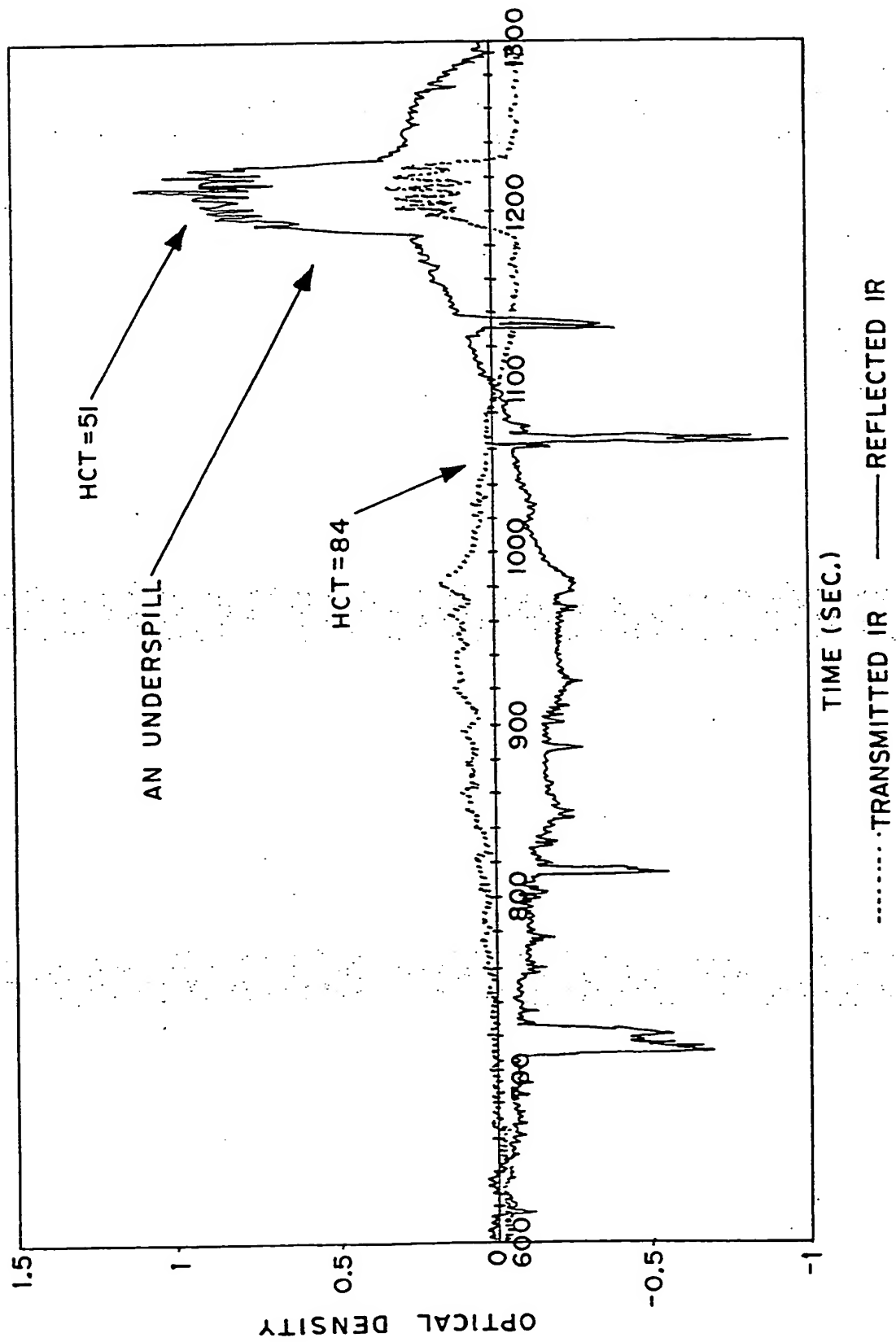


**FIG. 19**



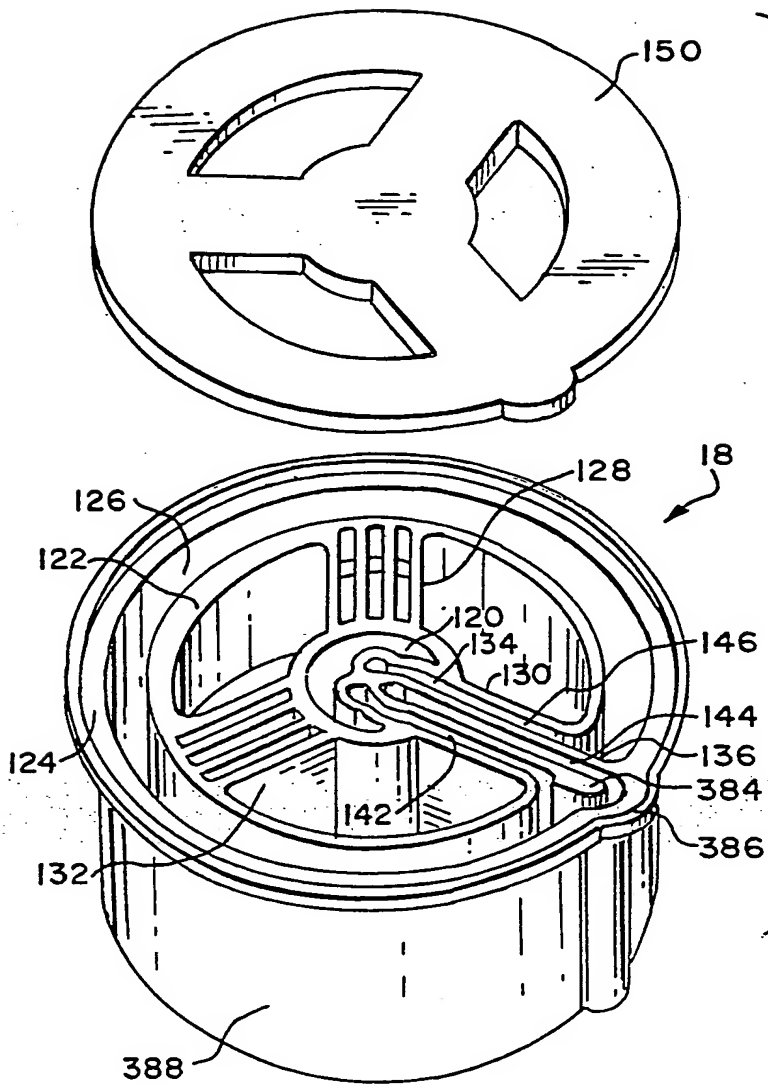


**FIG. 20**

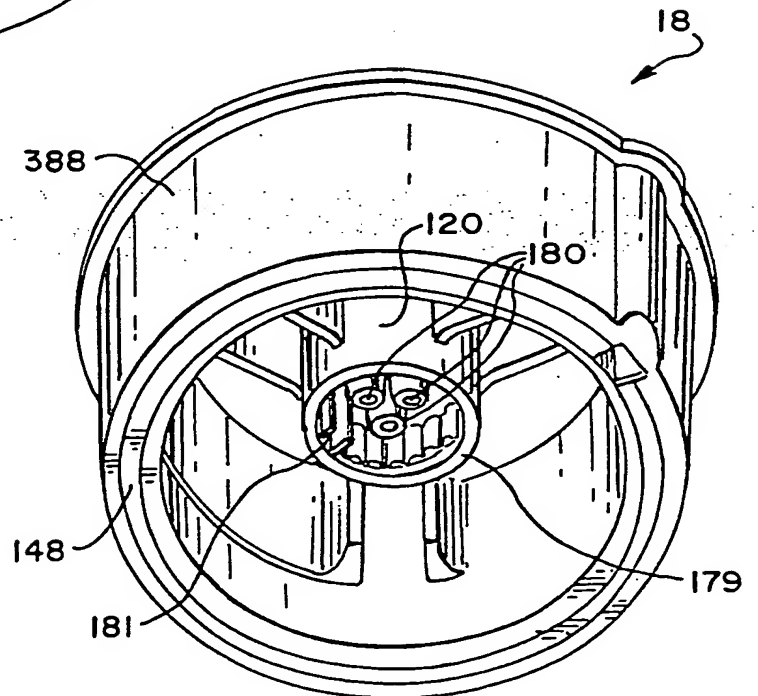


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**FIG. 21**

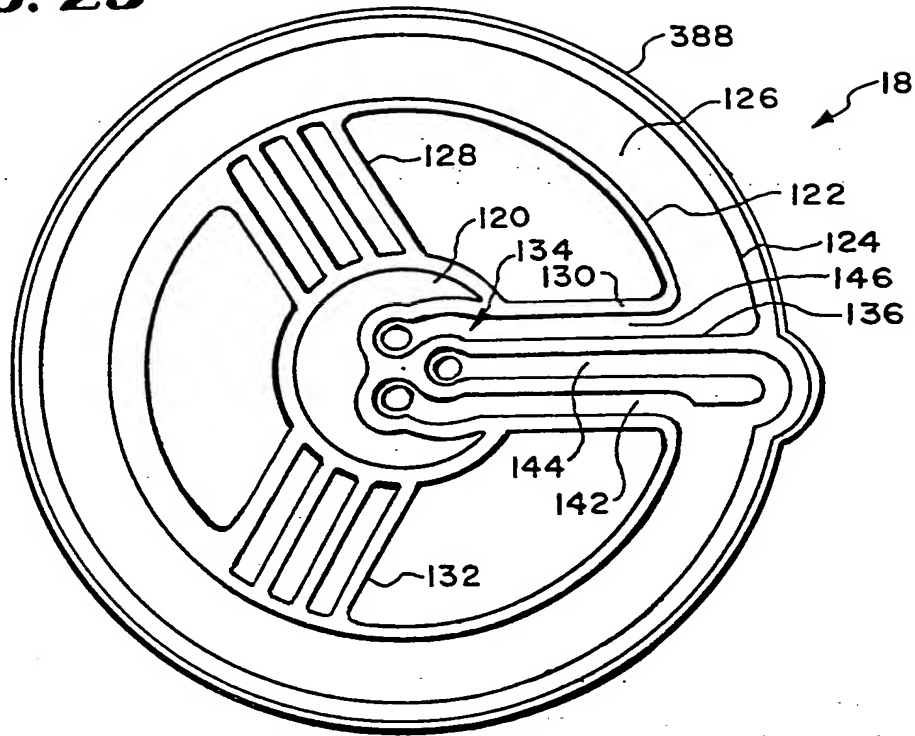


**FIG. 22**

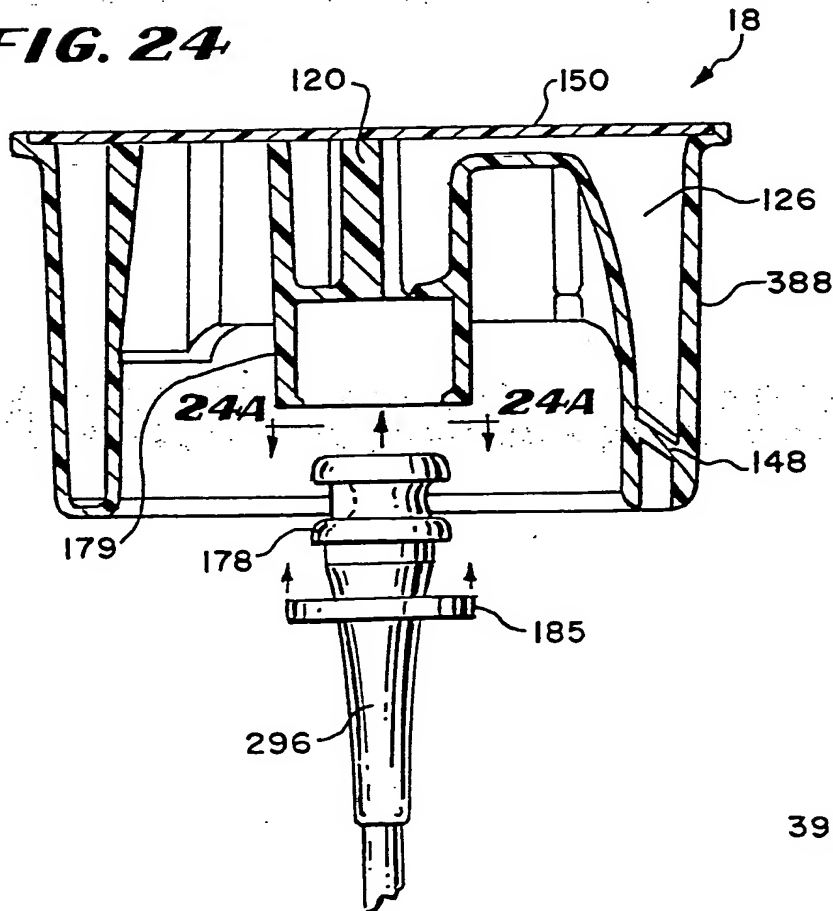


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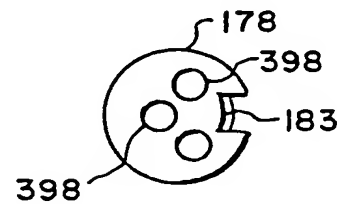
**FIG. 23**

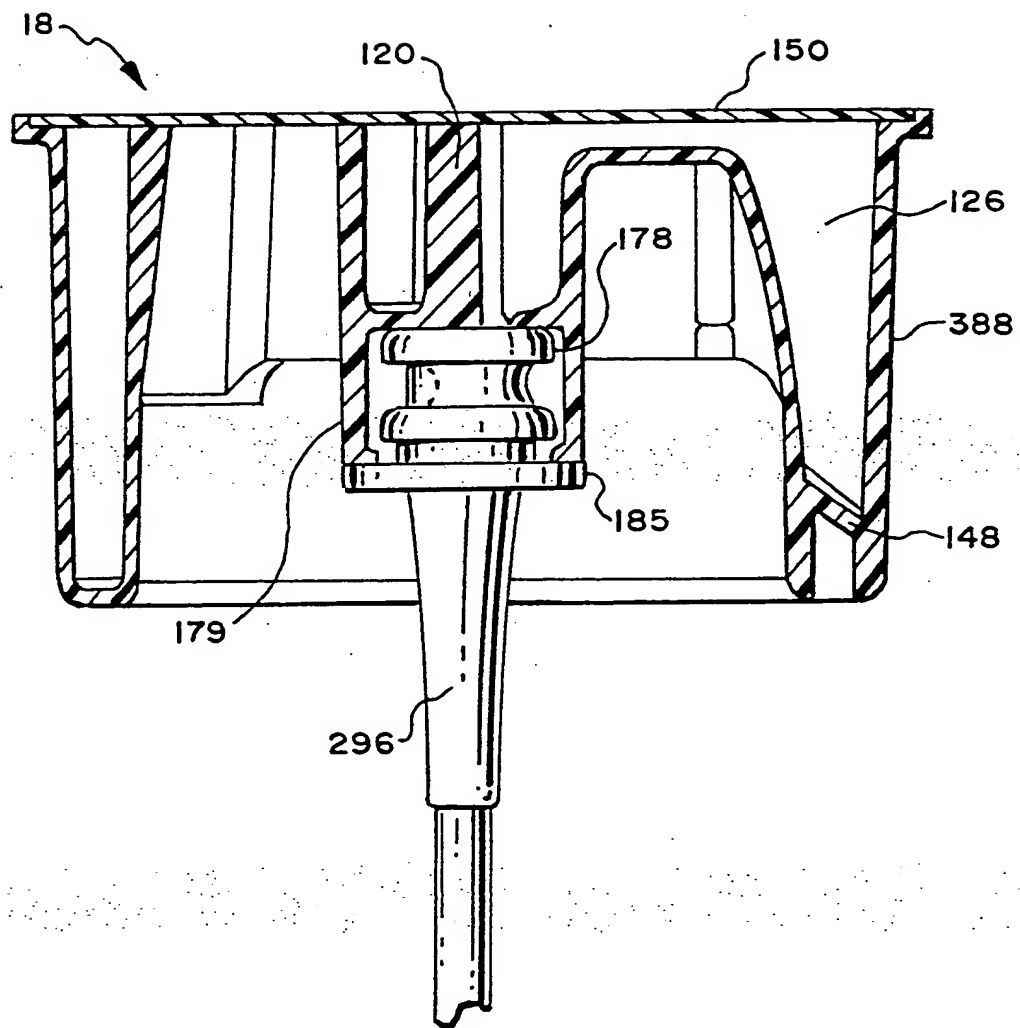


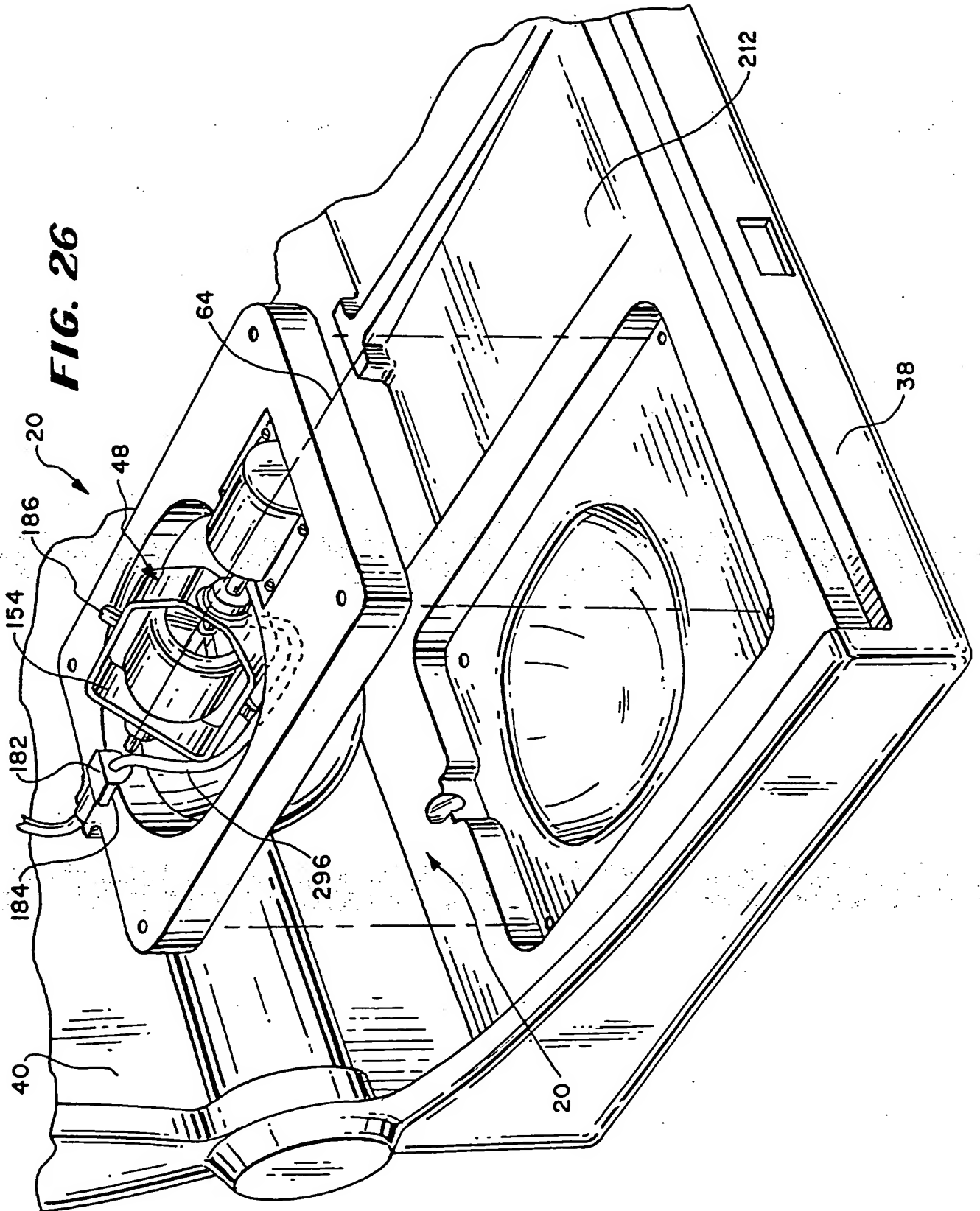
**FIG. 24**



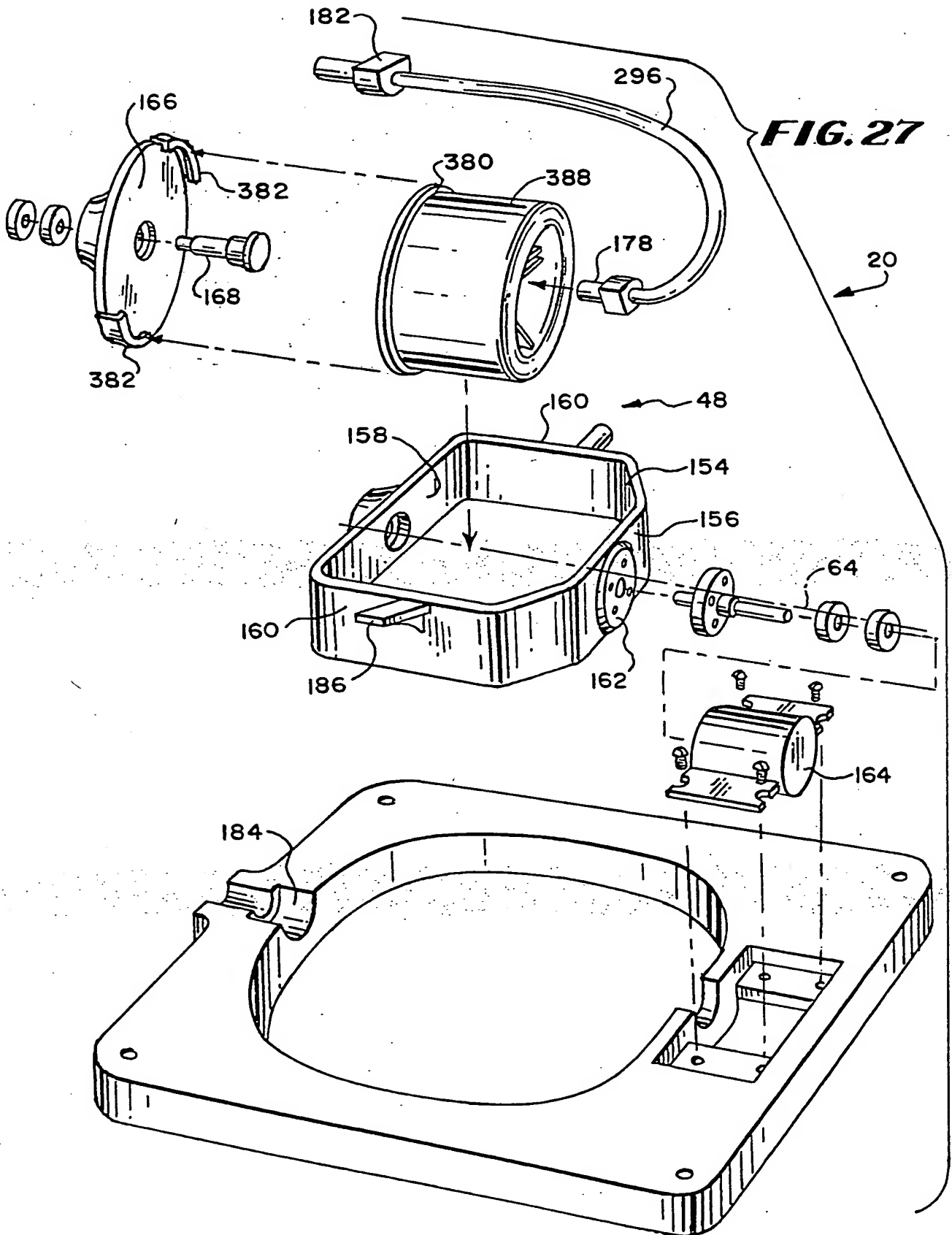
**FIG. 24A**



**FIG. 25**



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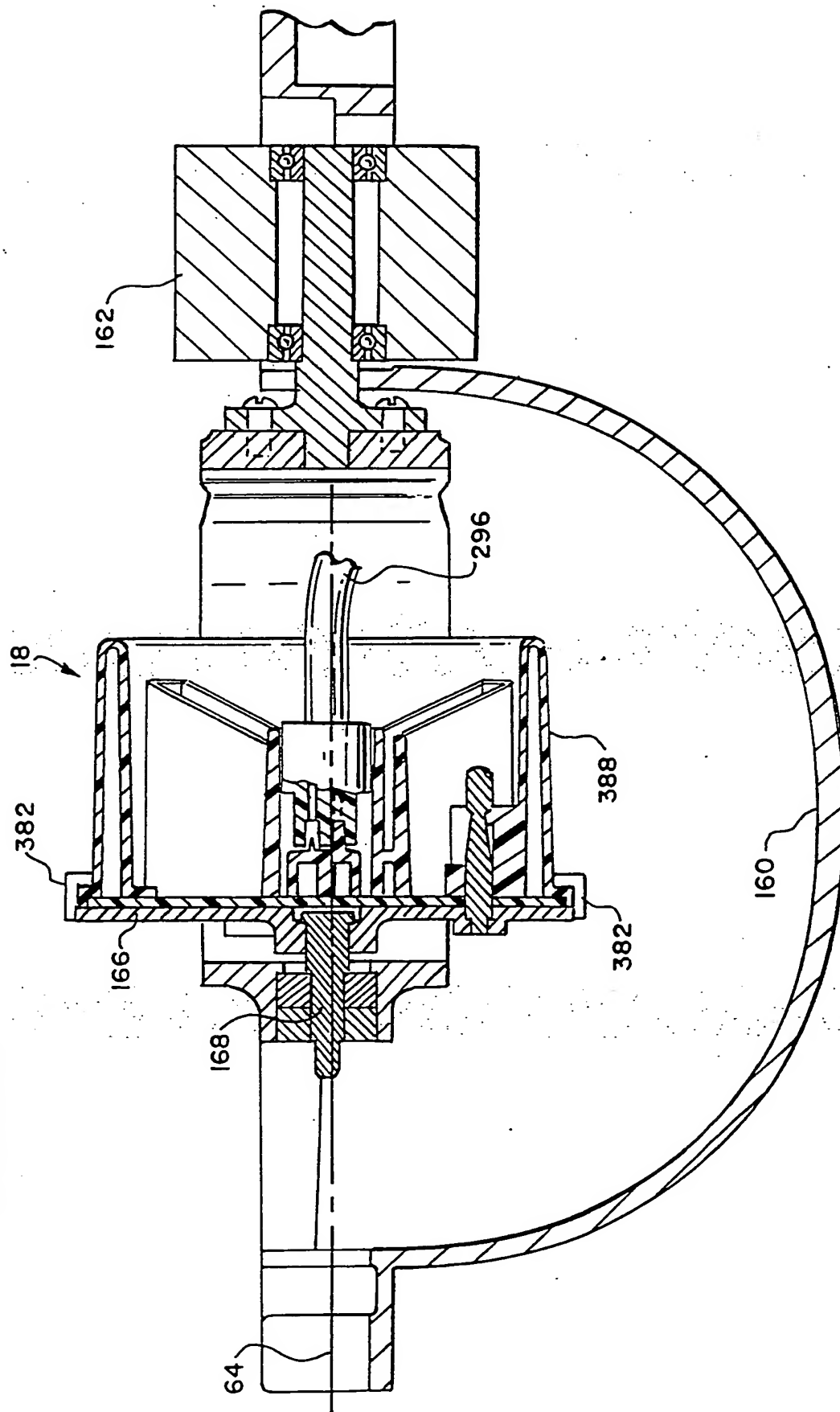
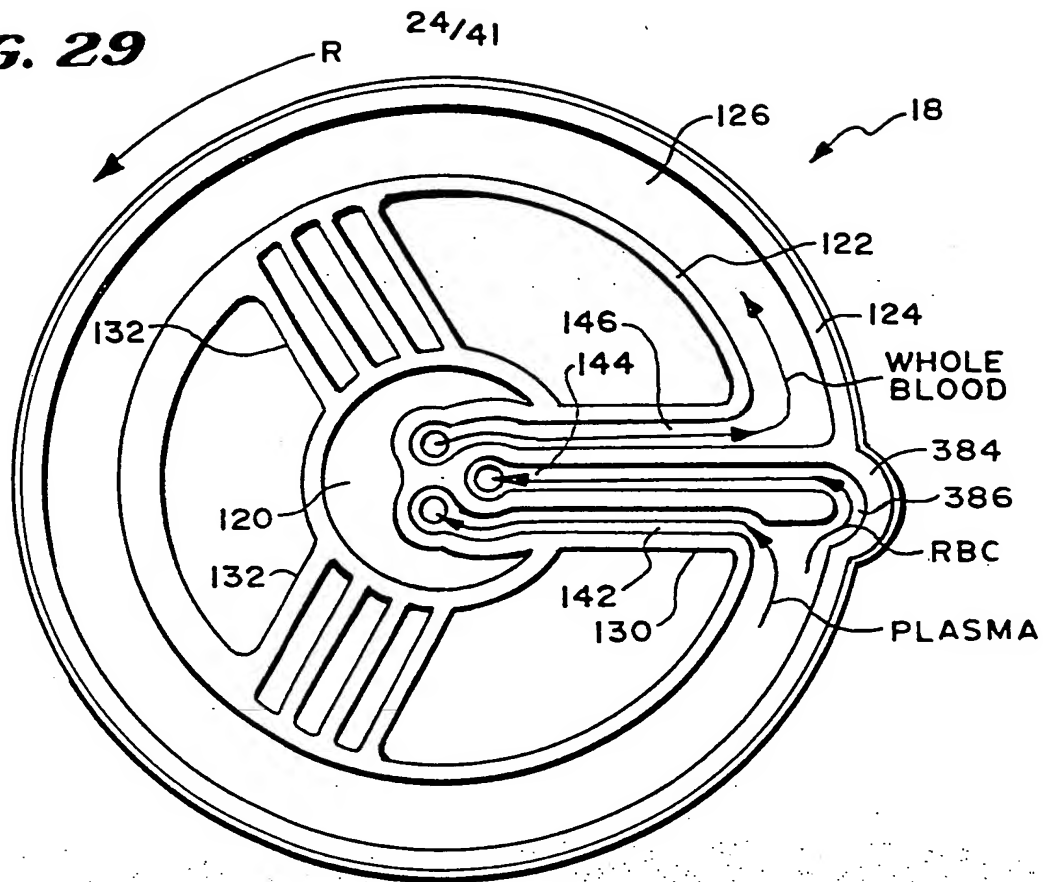
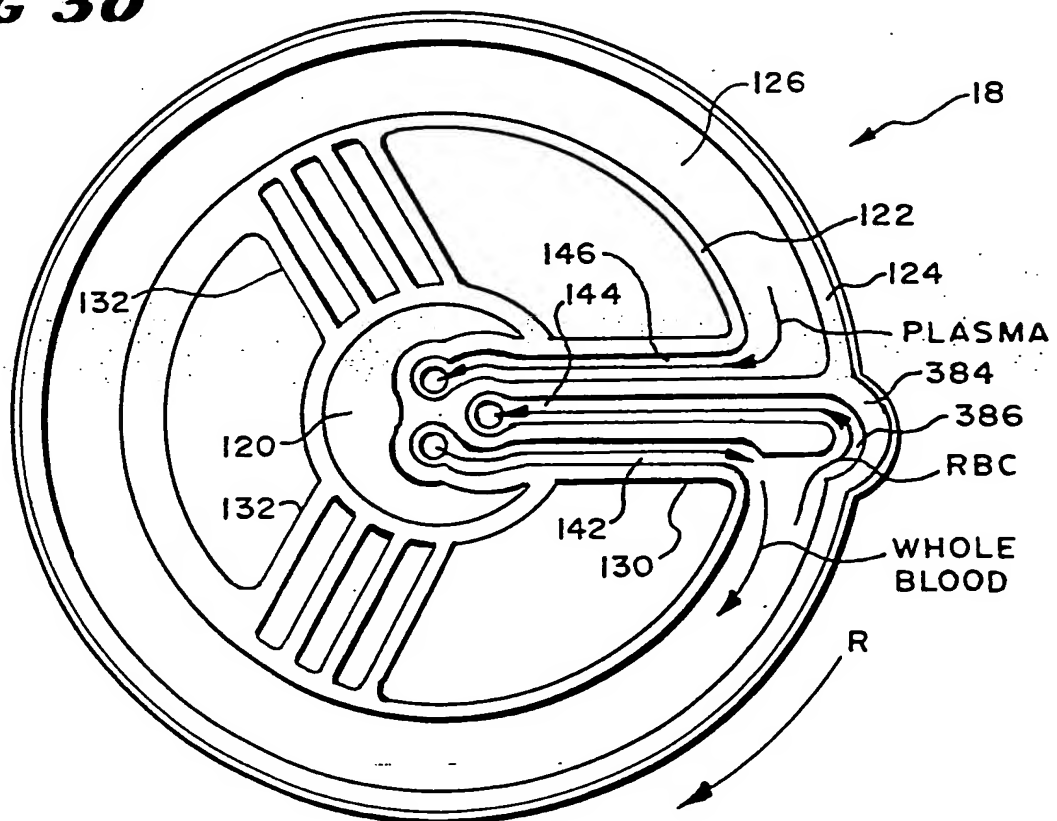


FIG. 28

**FIG. 29**

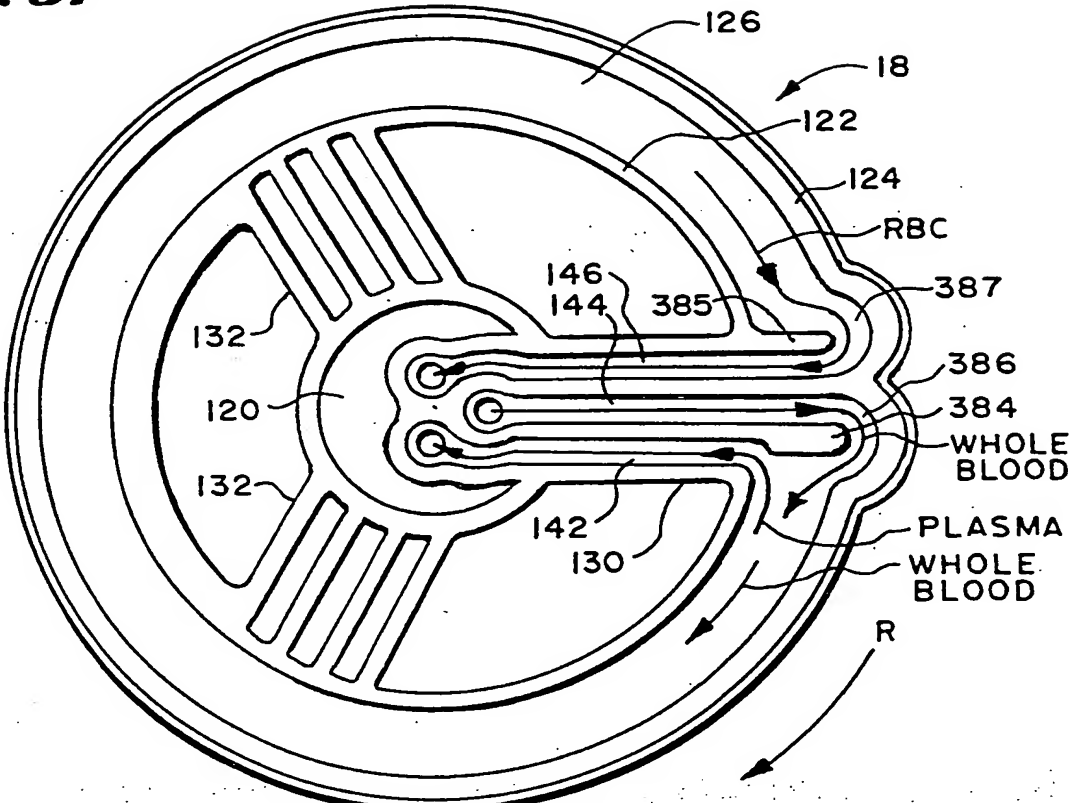


**FIG 30**

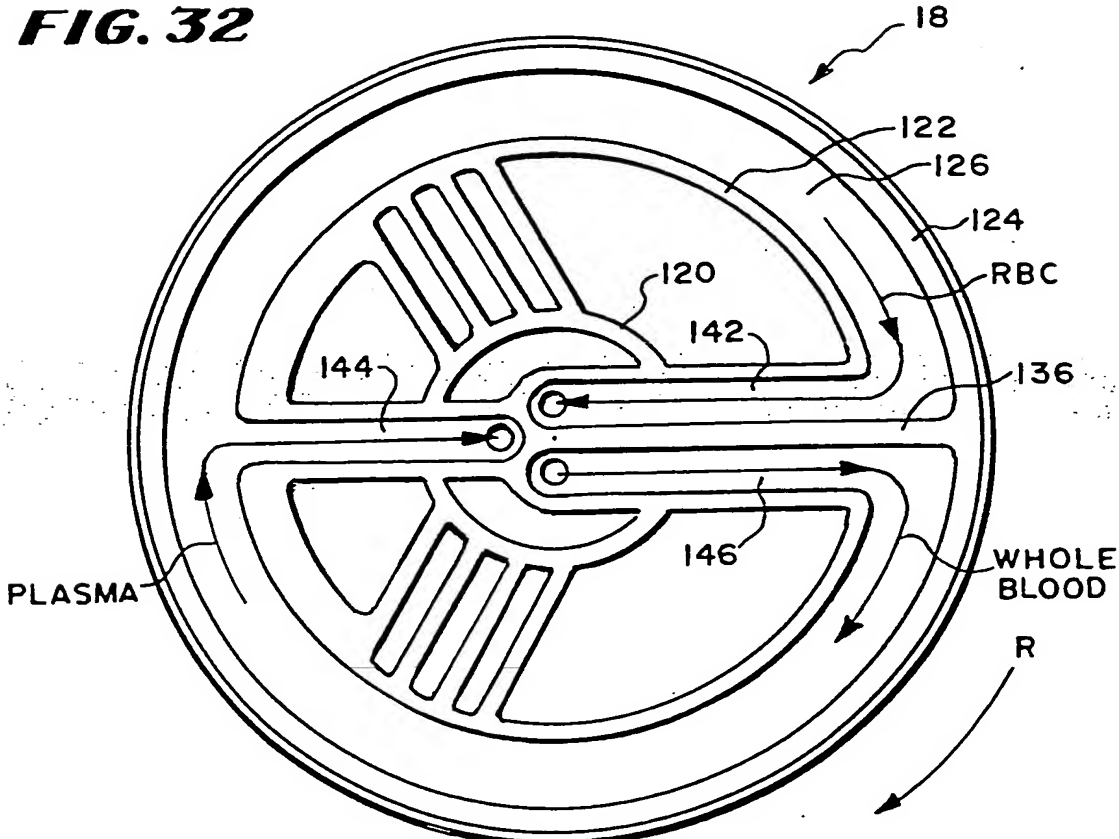




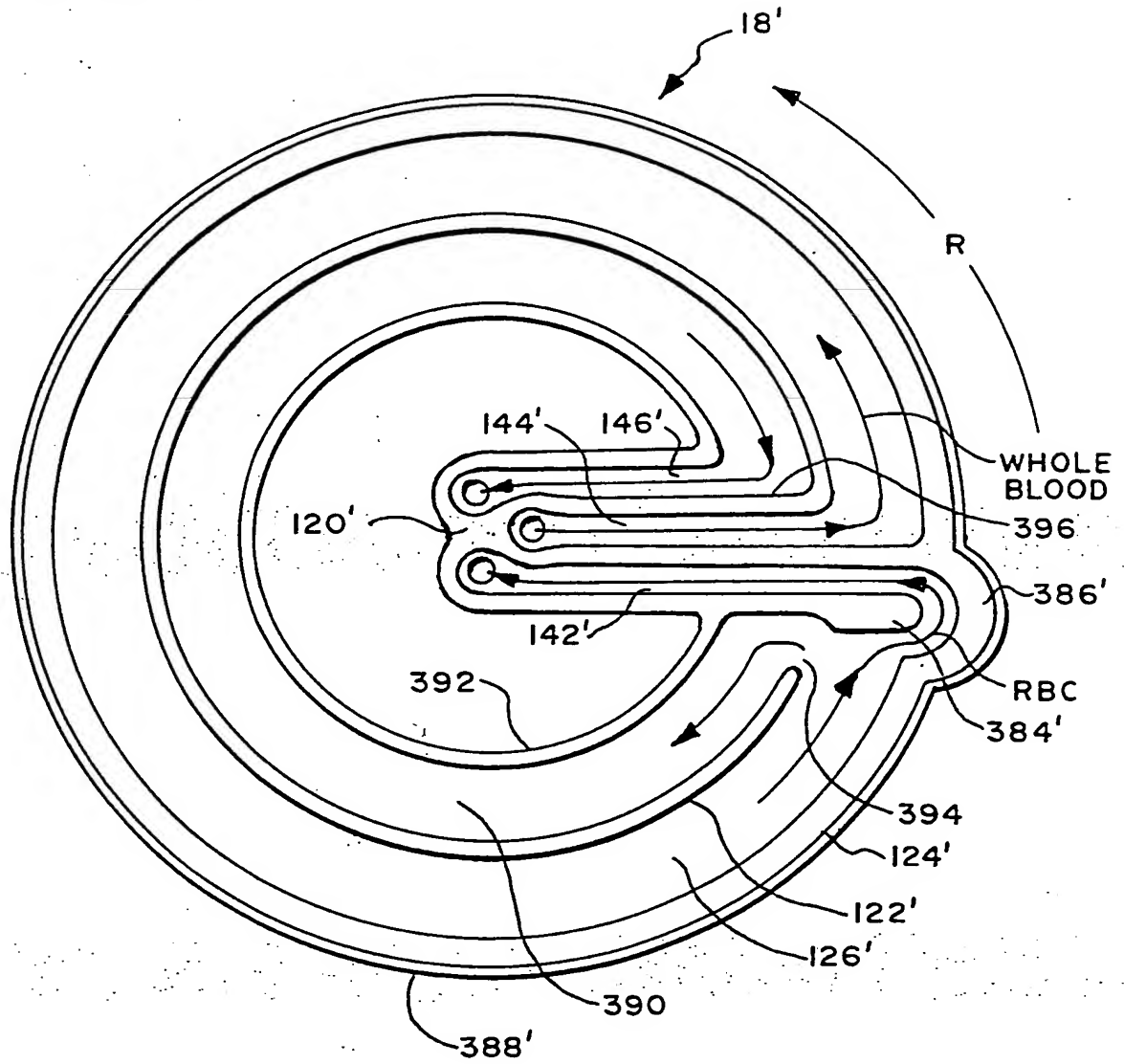
**FIG. 31**



**FIG. 32**



**FIG 33**

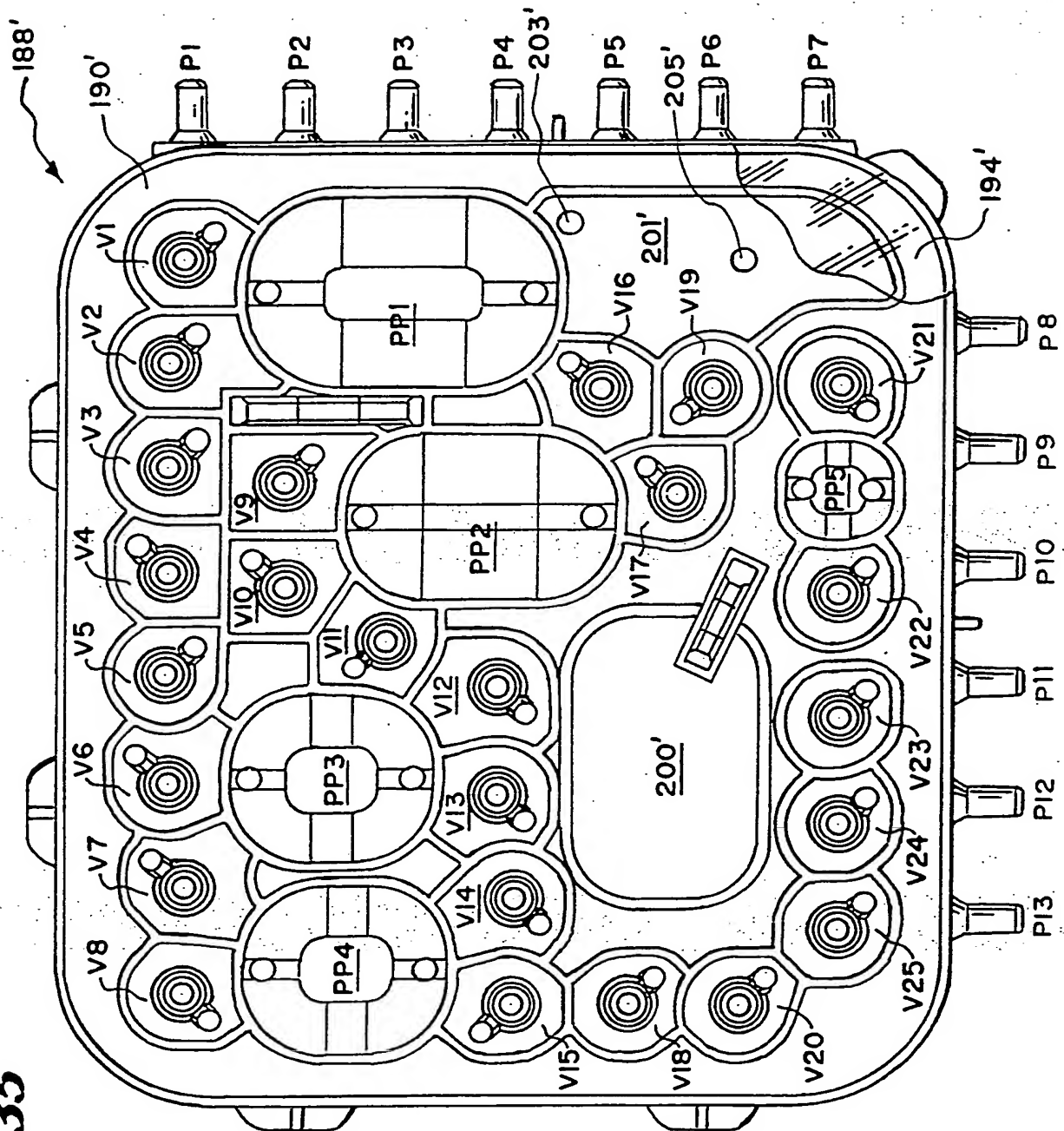


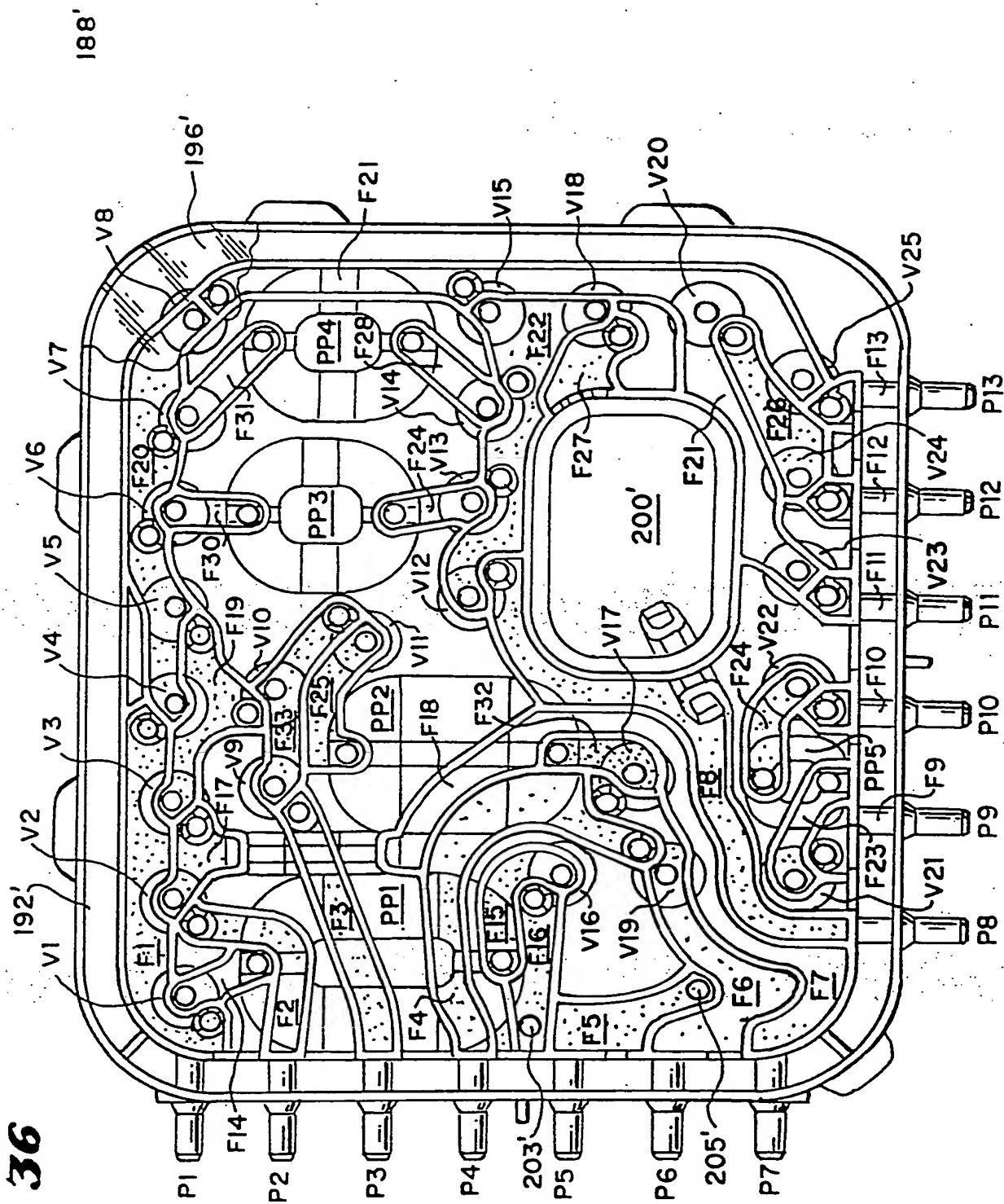
The schematic diagram illustrates a multi-channel electronic circuit, designated as 46'. A central horizontal bus, labeled 264', serves as the primary signal and power distribution line. This bus is connected to a series of functional blocks and components:

- Left Section:** A vertical stack of components including a circular element 18' at the bottom, followed by blocks 292', 294', 296', 302', 304', 306', and 312'. These are connected to the bus via a series of switches and relays labeled P1 through P7.
- Central Section:** A series of processing or control blocks labeled PP1, PP2, PP3, and PP4 are connected to the bus. These blocks are interconnected with various relays (V1-V18) and switches (F1-F32).
- Right Section:** The bus continues to the right, where it connects to a series of output or storage blocks labeled 276', 280', 288', and 289'. These blocks are also connected to the bus through a network of relays (V19-V24) and switches (F25-F28).
- Bottom Section:** A 'DONOR' block is connected to the bus via a series of relays (P8-P10) and switches (F29-F32).

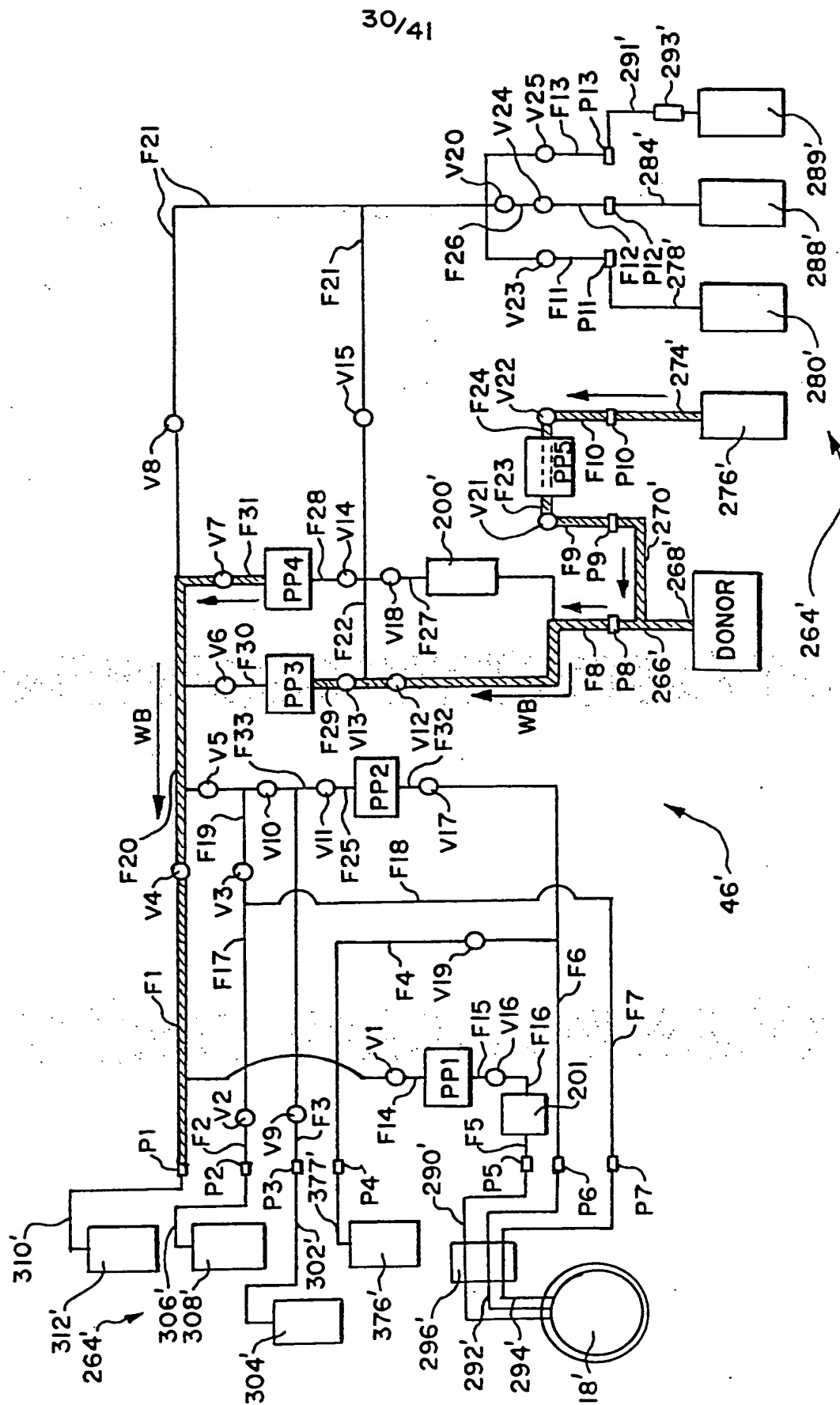
The diagram uses standard electronic symbols for relays (circles with labels), switches (lines with labels), and functional blocks (rectangles with labels). The overall layout shows a complex, multi-channel system with a central control and distribution bus.

**FIG. 35**



**FIG. 36**

**FIG. 37A**



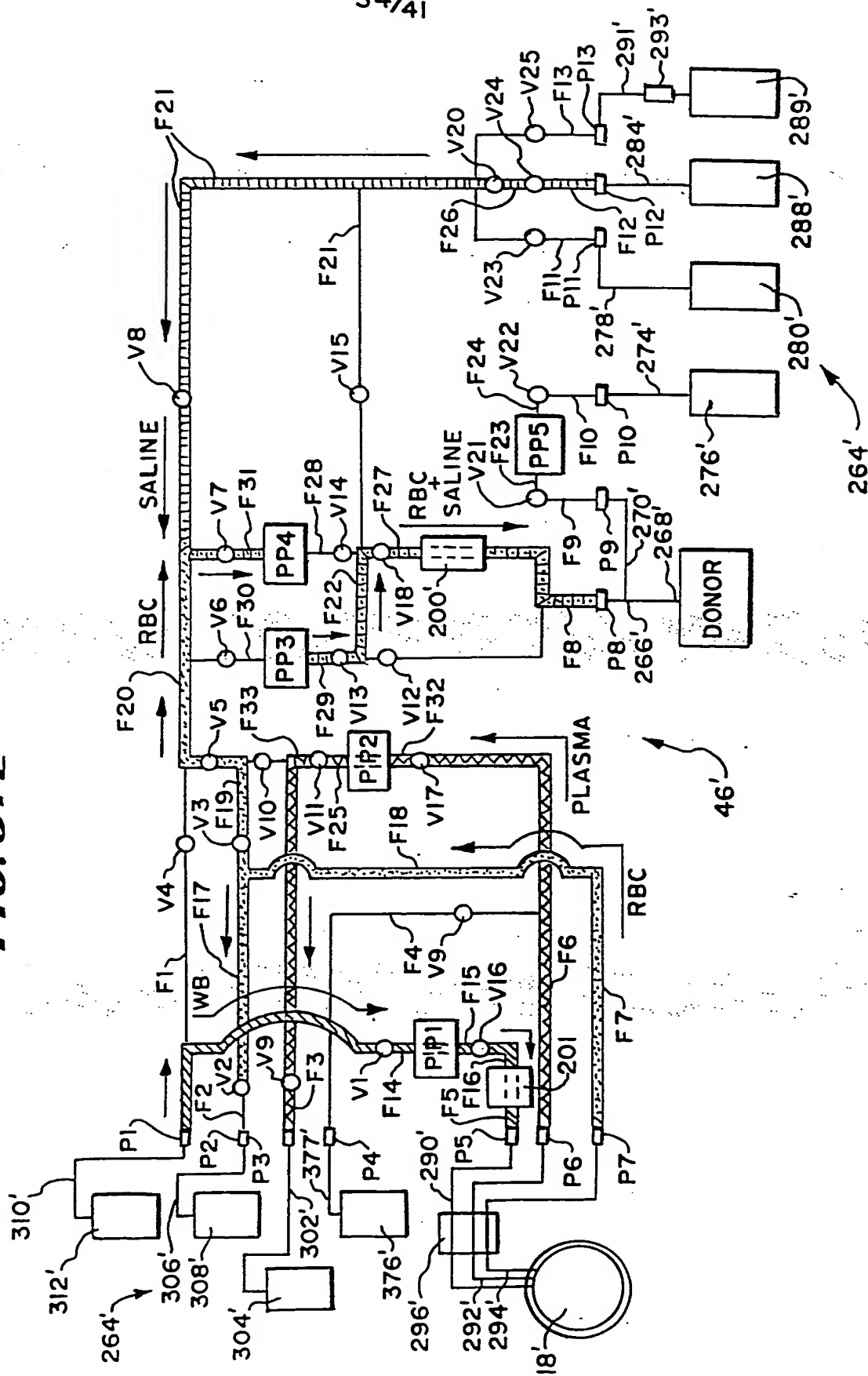


[illegible]

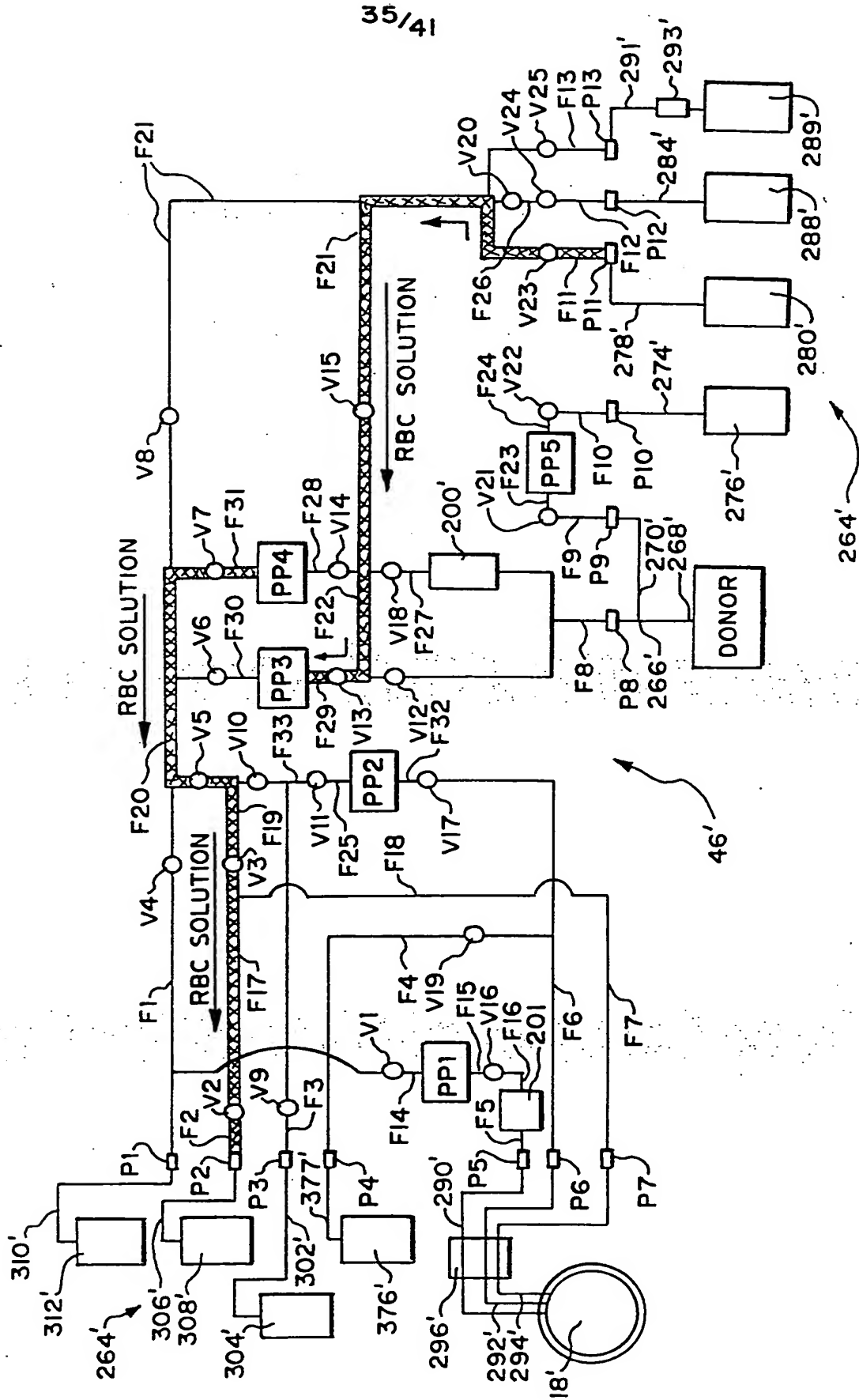


The diagram illustrates a complex blood processing system 46' designed for separating and processing blood components. The system includes a donor unit 264' connected to a plasma processing section 266' and a red blood cell (RBC) processing section 268'. The plasma section 266' contains a pump P8, a filter F8, and a pump P9, leading to a plasma filter F9 and a pump P10. The RBC section 268' includes a pump P11, a filter F11, and a pump P12, leading to an RBC filter F12 and a pump P13. The system also features a saline input 270' and a waste output 272'. Various other components like pumps P1-P7, P14-P16, P18-P20, P22-P24, P26-P28, P30-P32, P34-P36, P38-P40, P42-P44, P46-P48, P50-P52, P54-P56, P58-P60, P62-P64, P66-P68, P70-P72, P74-P76, P78-P80, P82-P84, P86-P88, P90-P92, P94-P96, P98-P100, P102-P104, P106-P108, P110-P112, P114-P116, P118-P120, P122-P124, P126-P128, P130-P132, P134-P136, P138-P140, P142-P144, P146-P148, P150-P152, P154-P156, P158-P160, P162-P164, P166-P168, P170-P172, P174-P176, P178-P180, P182-P184, P186-P188, P190-P192, P194-P196, P198-P200, P202-P204, P206-P208, P210-P212, P214-P216, P218-P220, P222-P224, P226-P228, P230-P232, P234-P236, P238-P240, P242-P244, P246-P248, P250-P252, P254-P256, P258-P260, P262-P264, P266-P268, P270-P272, P274-P276, P278-P280, P282-P284, P286-P288, P290-P292, P294-P296, P298-P300, P302-P304, P306-P308, P310-P312, P314-P316, P318-P320, P322-P324, P326-P328, P330-P332, P334-P336, P338-P340, P342-P344, P346-P348, P350-P352, P354-P356, P358-P360, P362-P364, P366-P368, P370-P372, P374-P376, P378-P380, P382-P384, P386-P388, P390-P392, P394-P396, P398-P400, P402-P404, P406-P408, P410-P412, P414-P416, P418-P420, P422-P424, P426-P428, P430-P432, P434-P436, P438-P440, P442-P444, P446-P448, P450-P452, P454-P456, P458-P460, P462-P464, P466-P468, P470-P472, P474-P476, P478-P480, P482-P484, P486-P488, P490-P492, P494-P496, P498-P500, P502-P504, P506-P508, P510-P512, P514-P516, P518-P520, P522-P524, P526-P528, P530-P532, P534-P536, P538-P540, P542-P544, P546-P548, P550-P552, P554-P556, P558-P560, P562-P564, P566-P568, P570-P572, P574-P576, P578-P580, P582-P584, P586-P588, P590-P592, P594-P596, P598-P600, P602-P604, P606-P608, P610-P612, P614-P616, P618-P620, P622-P624, P626-P628, P630-P632, P634-P636, P638-P640, P642-P644, P646-P648, P650-P652, P654-P656, P658-P660, P662-P664, P666-P668, P670-P672, P674-P676, P678-P680, P682-P684, P686-P688, P690-P692, P694-P696, P698-P700, P702-P704, P706-P708, P710-P712, P714-P716, P718-P720, P722-P724, P726-P728, P730-P732, P734-P736, P738-P740, P742-P744, P746-P748, P750-P752, P754-P756, P758-P760, P762-P764, P766-P768, P770-P772, P774-P776, P778-P780, P782-P784, P786-P788, P790-P792, P794-P796, P798-P800, P802-P804, P806-P808, P810-P812, P814-P816, P818-P820, P822-P824, P826-P828, P830-P832, P834-P836, P838-P840, P842-P844, P846-P848, P850-P852, P854-P856, P858-P860, P862-P864, P866-P868, P870-P872, P874-P876, P878-P880, P882-P884, P886-P888, P890-P892, P894-P896, P898-P900, P902-P904, P906-P908, P910-P912, P914-P916, P918-P920, P922-P924, P926-P928, P930-P932, P934-P936, P938-P940, P942-P944, P946-P948, P950-P952, P954-P956, P958-P960, P962-P964, P966-P968, P970-P972, P974-P976, P978-P980, P982-P984, P986-P988, P990-P992, P994-P996, P998-P1000.

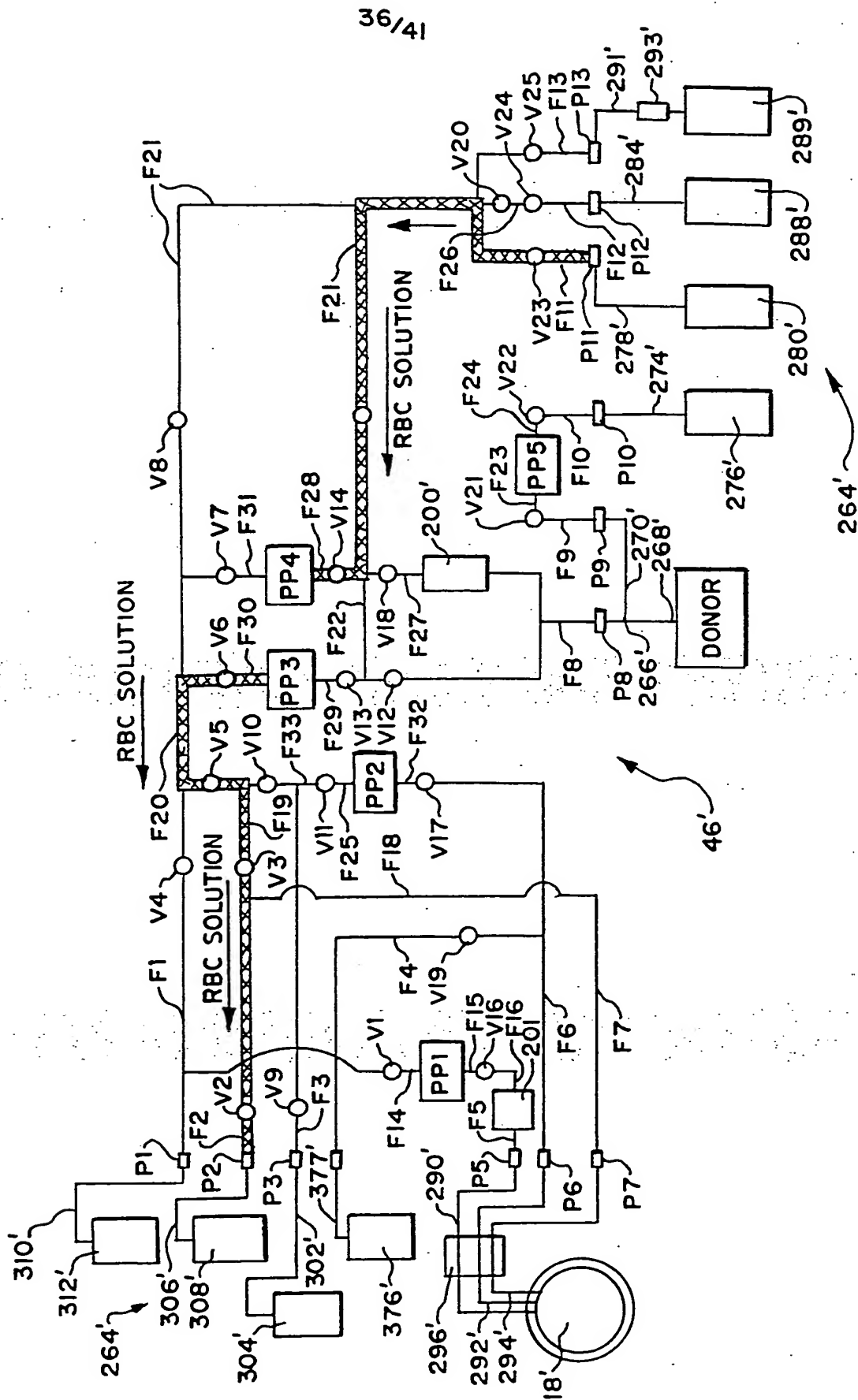
FIG. 37E



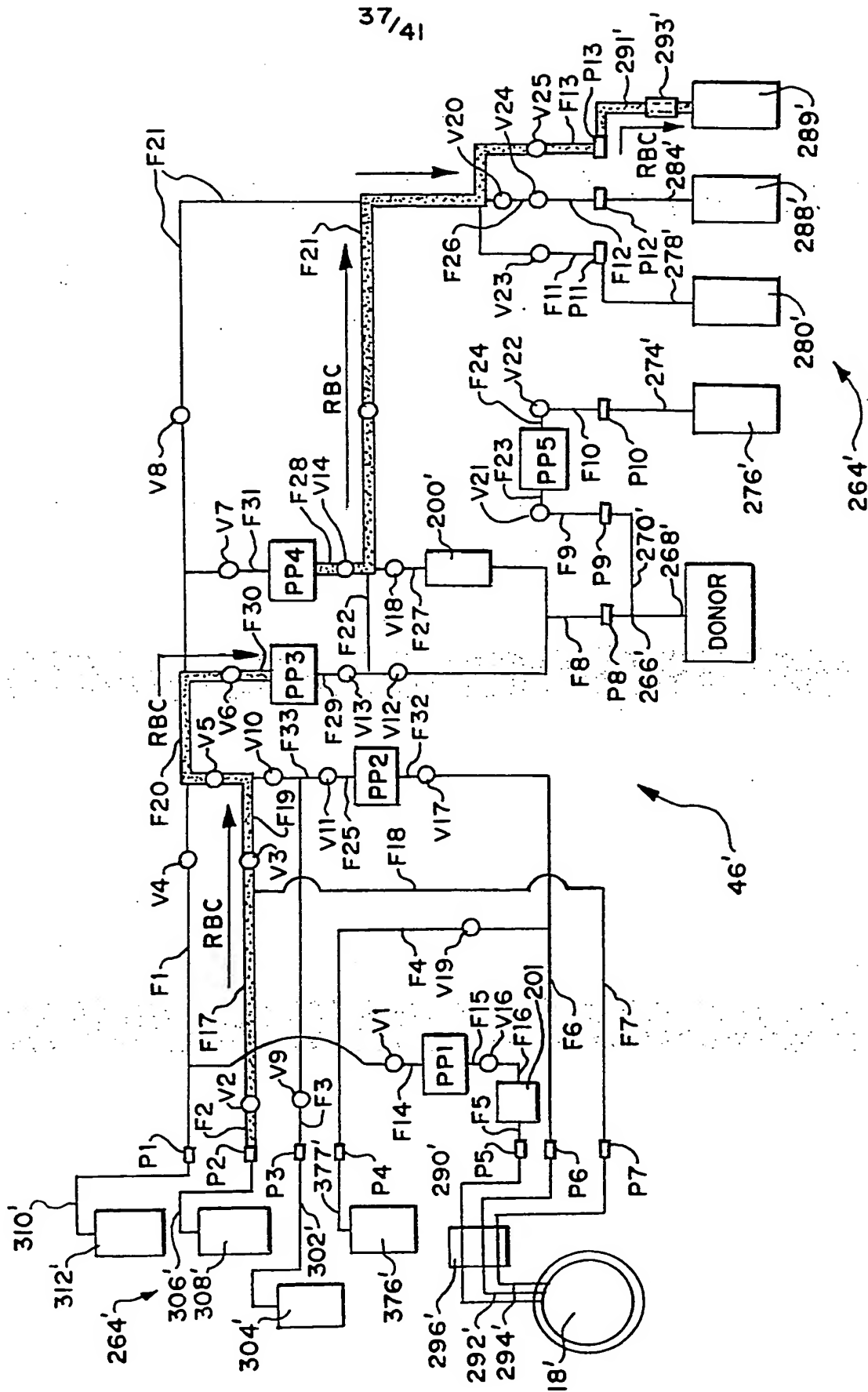
**FIG. 38A**



**FIG. 38B**

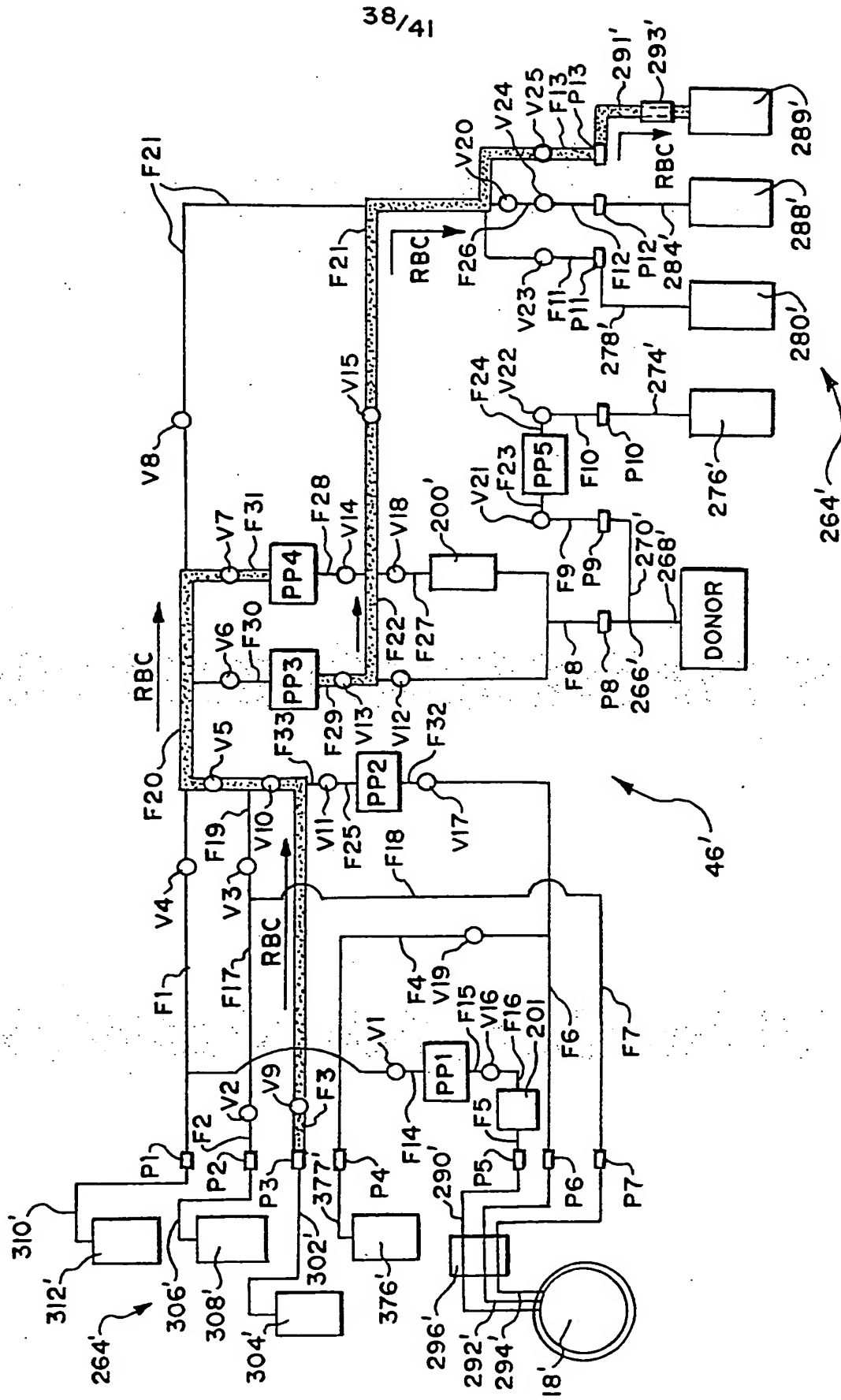


**FIG. 39A**



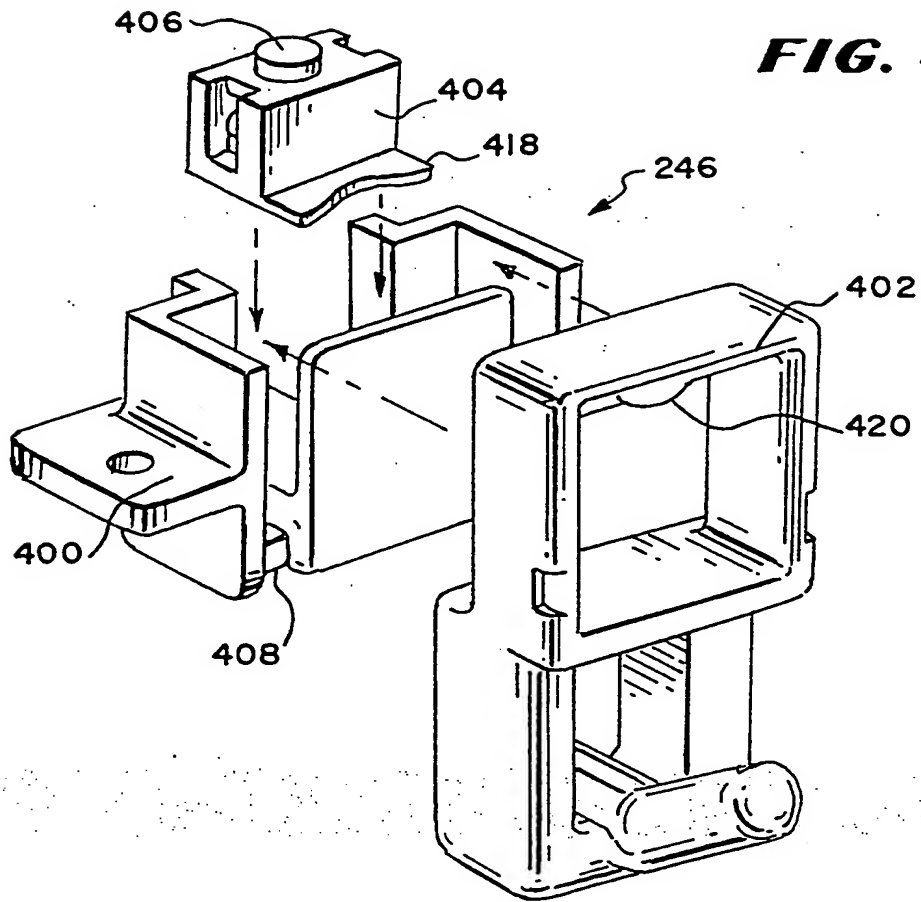
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**FIG. 39B**

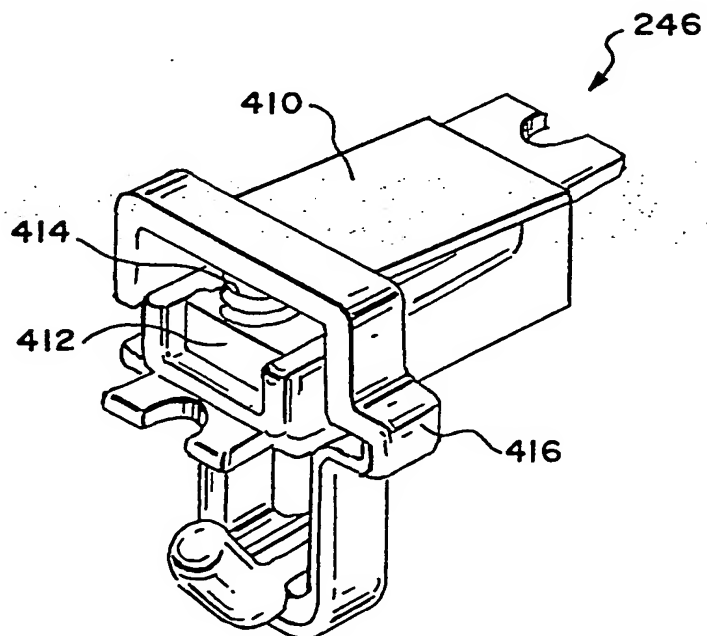


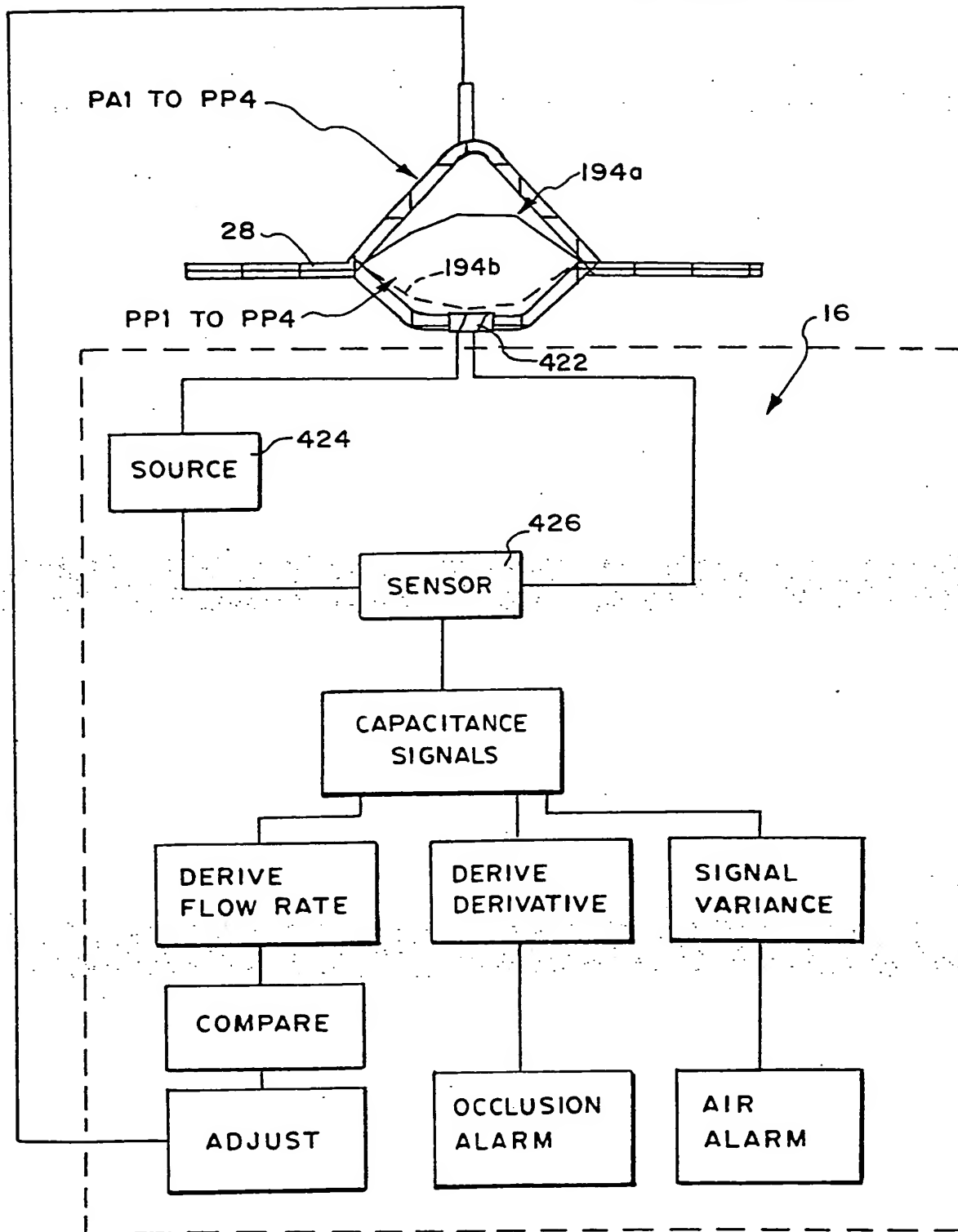
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**FIG. 40**



**FIG. 41**



**FIG. 42**



**FIG. 43**

VA1 TO VA25

CASSETTE VALVES

